

Key to all symbols

	Reaction to fire		Reaction to fire	R12	Slip rating
	Smoke density		Resistance to chemicals	R11	Slip rating
	Clean rooms		Maritime usage	R9	Slip rating
	Indentation-residual		Abrasion resistance to wheels	R10	Slip rating
	Accoustical impact noise reduction		Thickness of wear layer	CE	CE mark
	Staining resistance		Electrical behaviour vertical resistance		National Green Building Council
	Enhanced slip		Abrasion resistance:		U.S. Green Building Council
	Castor chair continuous		Fungi and bacteria resistance		Flooring for ships
	Thermal conductivity		Flexibility		Flooring for train
	Light fastness		Electrical behaviour body voltage		Flooring for bus
	Reaction to fire		Total thickness		Flooring for airports
	Dimensional stability		Clean rooms		Tile
	Class 34 Commercial very heavy		Roll		
	Class 43 Industrial heavy				

RESPONSIVE INDUSTRIES LIMITED
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www.responsiveindustries.com



RESPONSIVE

Contract Vinyl Flooring

2013 - 14

RESPONSIVE
 We listen. We're responsive.



Contract Vinyl Flooring
 2013 - 14

TUSKER VINYL FLOORING
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Contract Vinyl Flooring
 2013 - 14

Diversity and a breadth of options; the solution to every flooring need—

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About Responsive Industries

Elegant Design

We develop flooring solutions that go beyond elegant interior design. They are engineered to address performance needs of transport, health care, education, sports, residential and commercial markets.

World class Infrastructure

We have world-class infrastructure, innovative know-how and a growing nexus of talented people. Responsive has transformed the vinyl market in India and we are increasing our presence worldwide.

Growing Recognition

We have gained recognition for delivering solutions above and beyond expectations, a reputation we have worked hard to earn. We strive towards a consistent output of high standards that justifies our place in the international market.

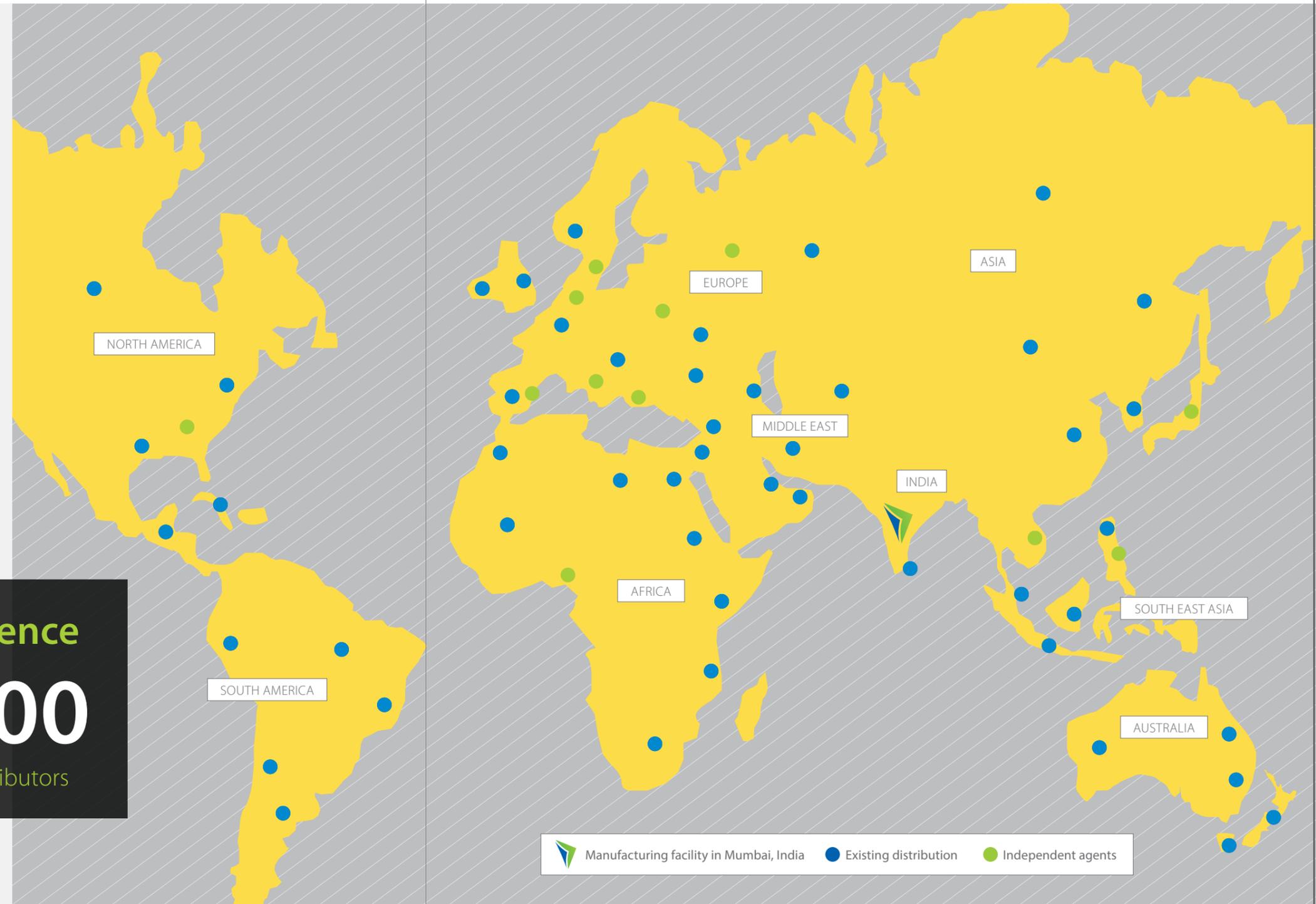
International Certifications

Responsive has international quality assurance certificates from independent agencies. We have DMF registration under FDA guidelines, have ISO certification, adhere to tough ASTM and EN norms, are members of the US Green Building Council and have the requisite LEED accreditation.

Global presence

70 | 300
countries | distributors

Responsive's expanding sales network



DMF: Drug Master File
 FDA : Food and Drug Administration
 ISO : International Organization for Standardization
 ASTM : American Society for Testing and Materials
 EN : European Norms
 LEED : Leadership in Energy and Environmental Designs

We are sensitive to our customer's needs and stress on transparency, clarity and healthy communication. At responsive its not just about business– it is about the relationship because **we listen, we're responsive.**

Our team strives to give you our best. We leave no stone unturned.



Responsive's Features & Benefits

Durable.

With an average life span of 10 - 15 years, our products are engineered for longevity, toughness and high performance. Built for high foot traffic environments, our floors remain beautiful for a long time and are able to sustain the harshest of environments.

Diverse.

Responsive floors offer over 500 designs with over 20 different product ranges. We have floors for multiple purposes in a variety of sizes, colours and textures that create fascinating options for designers and consultants.

Competitive.

Innovative manufacturing practices and efficient use of resources give Responsive an edge in any competitive market. Priced to be popular, the value for money on our floors is hard to beat.

Performance.

Our products are anti-slip, anti-bacterial, anti-fungal, anti-static, and conductive. They also have moisture, stain, cigarette and chemical resistance properties suitable for high - traffic areas. Responsive products also conform to tough smoke, fire, and toxicity standards.

Delivery.

We have the capacity to meet multiple orders quickly and efficiently. Situated close to the Mumbai Port, we are able to ship worldwide with an average 2-3 week transit time.

Quality.

Responsive is an ISO 9001: 2008 and ISO 14001: 2004 certified company. Products are repeatedly tested to meet top international standards such as EN (European Norm) and ASTM (American Norm).

Capacity.

Responsive is a world class manufacturer of PVC products with a manufacturing capacity of 5,000-10,000 Metric Tons Monthly. Our capabilities include Vinyl Flooring, Leather Cloth, Rigid Blister Film and Sheeting.

Infrastructure.

We have fundamentals in terms of land, machinery, financing, technical know-how and manpower. We also have room to grow with large spaces within the existing facility to expand our capabilities.

Communication.

We believe in good, clear and transparent communication. Our international team caters to global audience and we are ready to meet every customer query.

Sustainability: Five Point Program

01 pre-consumer recycling

Production waste is reused and completely recycled therefore negligible waste is deposited in the environment.



02 energy efficient production

We use precious resources like water, oil, and electricity sparingly. Efficient production techniques, advanced machinery and high quality raw materials enable us to reduce our environmental footprint.

03 good indoor air-quality

All our products emit zero to very low VOC's. We are compliant with stringent Californian standards for Indoor Air Quality in public buildings (Emission testing as per CA Specification 01350)

04 clean raw materials

All raw materials used are REACH compliant, non-toxic, non-carcinogenic, and environmentally friendly.

05 post-consumer recycling

At the end of their life cycle, all our flooring products can be recycled in our production facilities. Since the launch of this program, we have been increasing the volume of vinyl returned every year.

Responsive's green initiative

Sustainability

Responsive Industries has made a commitment to continuously improve public health by improving indoor air quality. From the choice of raw materials, to the recycling of a product after its use, Responsive is committed to improving the sustainability of vinyl floor coverings.

Energy Efficient Production

Responsive Industries is an ISO 14001 certified company with continuous efforts to reduce energy and water consumption throughout the manufacturing process. Saving these precious resources is a daily concern at the factory where the staff is committed to these goals.

Clean Raw Materials

Responsive products are devoid of heavy metals (lead, cadmium), phthalates and components registered as carcinogenic, or any other ingredient that breach REACH* standards. Our floor coverings also contribute to green building schemes with low VOC** emissions, LEEDS credits and membership to the US Green Building Council.

Lower Life Cycle Costs

We lower the life cycle costs by manufacturing extra durable products which require only soap and water maintenance. No hazardous chemicals are needed which greatly reduces the impact on the environment. In combination with our pre-consumer and post-consumer recycling program and efficient production techniques, Responsive Industries dramatically reduces life cycle costs of vinyl flooring.



*REACH is the new European Regulation for Registration, Evaluation and Authorisation of Chemicals in the European Union

** VOC stands for Volatile Organic Compounds

ISO 9001, 2008

ISO 14001, 2004

ISO 18001, 2013

Special Flooring Attributes



RQ Protect

RQ Protect is a proprietary technology that offers the highest available level of protection for vinyl floors. There will never be a need to strip, seal, polish, wax or buff the floor. After many years of wear and tear, the product can be regenerated to its original aesthetic only by dry buffing. The flooring also becomes completely resistant to scratches and stains.



PUR Complete

PUR Complete is a Polyurethane treatment present throughout the entire thickness of the product. This feature enhances the flooring's abrasion, scratching, staining, and durability ratings. PUR Complete means that the floor can be put into use immediately after installation.



No Wax No Polish For Life

Only soap and water cleaning is required throughout the product's lifetime. This regime reduces long-term recurring costs such as labor and cleaning materials. Also the sustainability of interior environments is increased by reducing pollutants discharged while waxing and polishing floors.



Heavy Duty Endurance

Under normal wear and tear conditions, heavy-duty endurance is a seal that guarantees the flooring to last over 10 years. Responsive flooring remains aesthetically pleasing throughout its lifetime with tough resistance to scratches, stains and other visible marks.



Low Cost Easy Maintenance

Only regular soap and water cleaning is required to maintain our floor. Completely removes the need for sealing or stripping operations. Refurbishment is required only after 7-10 years of heavy use. Our maintenance regime dramatically reduces overall life cycle costs.



Sure Clean

Sure Clean technology is a proprietary surface treatment, which reduces the amount of dirt that gets trapped on the surface of the flooring. This technology ensures cost-reduction in terms of labor, time, and expensive cleaning supplies. It is also for sustainable as it reduces the number of times the floor needs to be cleaned.



Low Smoke Density

Smoke density can be fatal in when there are fires in public buildings. Responsive floors have low smoke density [ASTM E 662-05: < 450] and will make it easier to access trapped victims and rescue them from danger.



Silicone Carbide Particles

Included in safety flooring, Silicon Carbide is a glass hard material that increases the surface friction of the flooring. Silicon Carbide directly increases one's grip, even in wet areas. In combination with our Sure Clean technology, our safety floors is one of the best on the market.



Super Anti-Slip

Super Anti-Slip identifies vinyl flooring that is equal to or greater than R11 as per DIN 51130. This rating measures the propensity for slip in both wet and dry conditions. A strong slip rating certifies the use of a particular flooring in wet areas or heavy foot traffic commercial areas where anti-slip properties are important.



PU Treatment

The PU surface treatment is applied to the products during the manufacturing process and protects the flooring during the installation operations. Further maintenance can be applied depending on the usage of the product.



VOC Compliant

VOC stands for Volatile Organic Compounds, an important aspect of indoor air quality. Our products are compliant with requisite environmental norms for human health. In addition to negligible VOC emissions, our flooring is also free from formaldehyde, aldehyde, ammonia and odor emissions.



Recyclable

Responsive floors are designed to be recycled after use. Even after a long life-time of use, they can be broken down into reusable particles that are fed back into the production of vinyl floorings or other PVC materials.



Green Natural

Green Natural indicates that a component of the product is made with natural raw materials. This highlights our commitment to responsible and sustainable manufacturing with an aim to reducing pre and post consumer environmental waste.



High Anti-Slip

High Anti-Slip identifies vinyl flooring that is equal to or greater than R10 as per DIN 51130. High anti-slip is important for use in heavy traffic areas where a firm footing is required. Both, sports surfaces with quick turns and jumps and commercial surfaces such as hospitals both require High Anti-Slip.



Carbon Flakes Included

Carbon Flakes is an important inclusion for Static Control products since it directly impacts the flooring's electrical resistance properties. These flakes are an integral part of the electric circuit, which permit static build-up in rooms to be discharged through the installed copper grid system.



Sound Insulation Super

This property significantly reduces the walking resonance emitted from flooring by absorbing sound energy. It greatly enhances client experience in interior spaces where peace and quiet is of the utmost importance.



Underfoot Comfort

When a person steps, walks, jumps or turns, underfoot comfort measures the energy absorbed by the vinyl flooring. These products significantly reduce impact, stress and prevent injuries and long-term aches and pains.



Ball Bounce Consistency

This provides and even reliable ball bounce with no degradation in performance over time.



Vertical Indentation

Made with closed cell foam backing, the vinyl flooring will not have any permanent indentation. This means that despite heavy duty use, acoustic and sports flooring will not deform over its lifetime.



Sliding Coefficient

Superior grip for quick turns, bursts of speed and change in direction.



Shock Absorption

Flooring with good shock absorption provides high comfort and safety for knees and joints for athletes.

HEALTHCARE

STATIC CONTROL

TRANSPORT

EDUCATION

SPORTS

RETAIL & OFFICES

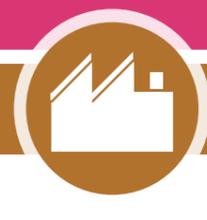
HOSPITALITY

WET AREAS

RESIDENTIAL

INDUSTRY

Many applications. One solution.





HEALTHCARE



No wax. No polish. For life.

We are the only Asian producer of homogeneous vinyl flooring.

With experience in over 40 countries, our flooring is a well-established choice for healthcare practitioners.

Our flooring sets the benchmark for hygiene and performance standards in healthcare environments.



Al Jafel Hospital
Saudi Arabia
Homogeneous Flooring

REFERENCES

Seven Hills Hospital
Mumbai, India
Product: Spica RQ®

Nelson Mandella Hospital
South Africa
Product: Spica RQ®

Al Jafel Hospital
Saudi Arabia
Product: Spica RQ®

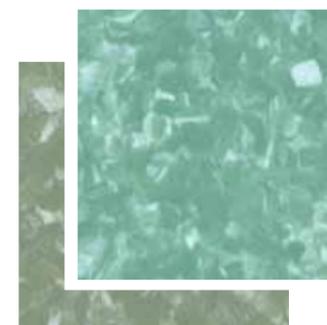
Changchum Qianwei Hospital
Changchum, China
Product: Vega Plus®

Samel Hospital
Brazil
Product: Talitha®

APPLICATION AREAS

- Wards and rooms
- Corridors
- Out-patient departments
- Laboratories
- Reception areas
- Rehabilitation areas

PRODUCT FOCUS



Petra RQ®

Non-directional Homogeneous flooring.

Attractive, distinctive and eye-catching, Petra RQ® presents a fascinating palette of 23 colours that will lighten up your environment. This contemporary pallet is designed to be beautiful in a multitude of interiors. Petra RQ® also boasts of the highest performance for durability, hardness, abrasion, stain and chemical resistance. With near to zero maintenance and easy installation, Petra RQ® is the first choice for leading architects, consultants and designers.

For full product range please refer to page 40.



STATIC CONTROL AREAS



APPLICATION AREAS

- Operation theatres
- Computer rooms
- Intensive Care Units
- X-ray / MRI
- Surgical units
- Electronic Industries

Complete peace of mind.

We are a specialist producer of conductive vinyl flooring.

Conductive flooring meets electrical resistance specification and is within $10^4 < R < 10^6 \Omega$.

Our antistatic/dissipative flooring surpasses the demands of most static build up environments.



MRI Room, Global Hospital
Chennai, India
Conductive Flooring

REFERENCES

Global Hospital
Chennai, India
Product: Electra Plus

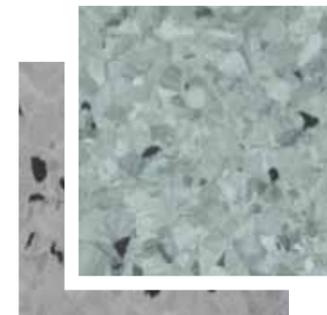
Aditya Birla Hospital
Pune, India
Product: Electra Plus

Dubai Laboratory
Dubai, UAE
Product: Vega Plus EL

Chemical Laboratory
Sao Paulo, Brazil
Product: Electra Plus

Changchum Qianwei
Changchum, China
Product: Vega Plus

PRODUCT FOCUS



Electra Plus® Conductive flooring.

Engineered for fail safe performance, Electra Plus® is the technical solution for operation theatres, X-ray rooms, ICU's, clean rooms, electronic manufacturing and other conductive applications. In addition, Electra Plus® is aesthetically appealing, which adds value to quality interiors, making the product easy to specify.

For full product range please refer to page 64.



TRANSPORT



APPLICATION AREAS

- Buses
- Trains
- Metros
- Trams
- Subways
- Ships

Never slip up.

We are experts in anti-slip safety flooring with over 4 million sq.m installed.

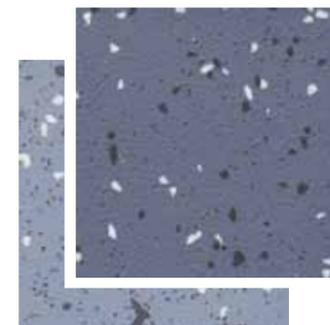
Our safety flooring has industry best R11 slip rating and Group T abrasion.

SureClean™ technology greatly increases maintainability and reduces life-cycle costs.



Delhi Transport Corporation
New Delhi, India
Safety Flooring

PRODUCT FOCUS



Canopus Platinum®

Safety & Transport flooring.

Stylish, soft, and classy, Canopus Platinum® defines elegance for safety floors. The range has a carefully constructed colour palette and is uniquely complemented by superior performance characteristics. With endless possibilities of application areas, Canopus Platinum® is far ahead of its time.

For full product range please refer to page 68.

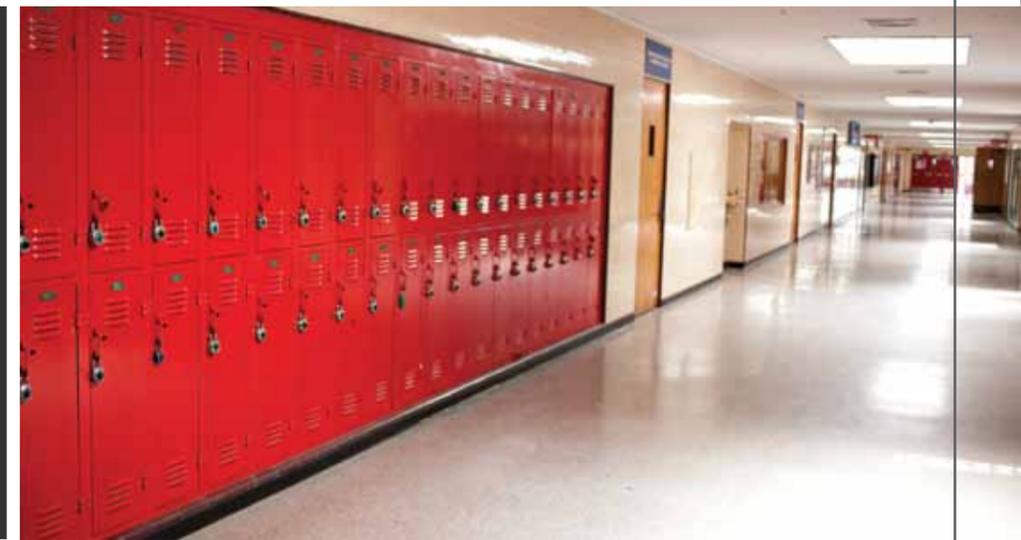


EDUCATION



Colours for the soul.

We produce acoustic flooring with up to 19 dB of sound reduction.
Tough, durable and scratch resistant against desk and chair bottoms.
Low maintenance cost and increased life of the floors.



Taleem School
Abu Dhabi, UAE
Acusto

REFERENCES

- Ngee Ann Polytechnic**
Singapore
Product: Vega Plus
- Horizon School**
Saudi Arabia
Product: Acusto
- Escoca National**
Portugal
Product: Talitha
- Taleem School**
Abu Dhabi, UAE
Product: Acusto
- Qatar University**
Doha, Qatar
Product: Canopus

APPLICATION AREAS

- Classrooms
- Play areas
- Libraries
- Art rooms
- Staff rooms
- Corridors

PRODUCT FOCUS



Aquaris RQ®

Compact Homogeneous flooring.

Aquaris RQ® is a completely unique concept - a three dimensional compressed chip design, which appeals to the most discerning clients. It's breathtaking colours are an ideal choice for environments where aesthetics, beauty and prestige are paramount. The perfectly hard surface is extremely easy to clean and impossible to scratch. Aquaris RQ® shades and patterns are fully customized – giving you the creative freedom to design the most exclusive interiors.

For full product range please refer to page 36.



SPORTS



Freedom to run, jump, turn & twist.

Sports flooring is available in varieties fit for both domestic and professional use.

True ball bounce properties that last throughout the products lifetime.

The coying has been engineered for professional grip, slide, and jump standards.



Chadegan Sports Hall
India
Polaris

REFERENCES

American School of Bombay
Mumbai, India
Product: Polaris Punch

Chadegan Sports Hall
India
Product: Polaris

AIM Pro Middle East
Dubai, UAE
Product: Polaris

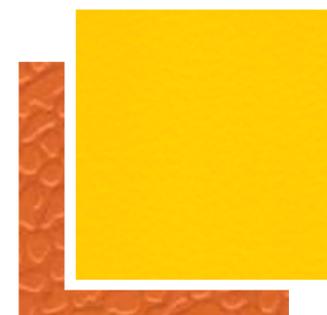
Dar Alzakr Nursery
UAE
Product: Polaris

Multi-purpose Sports Area
Sharjah, UAE
Product: Polaris Punch

APPLICATION AREAS

- Basketball courts
- Badminton courts
- Gymnasiums
- Multi-purpose sports
- Fitness areas
- Table tennis courts

PRODUCT FOCUS



Polaris®

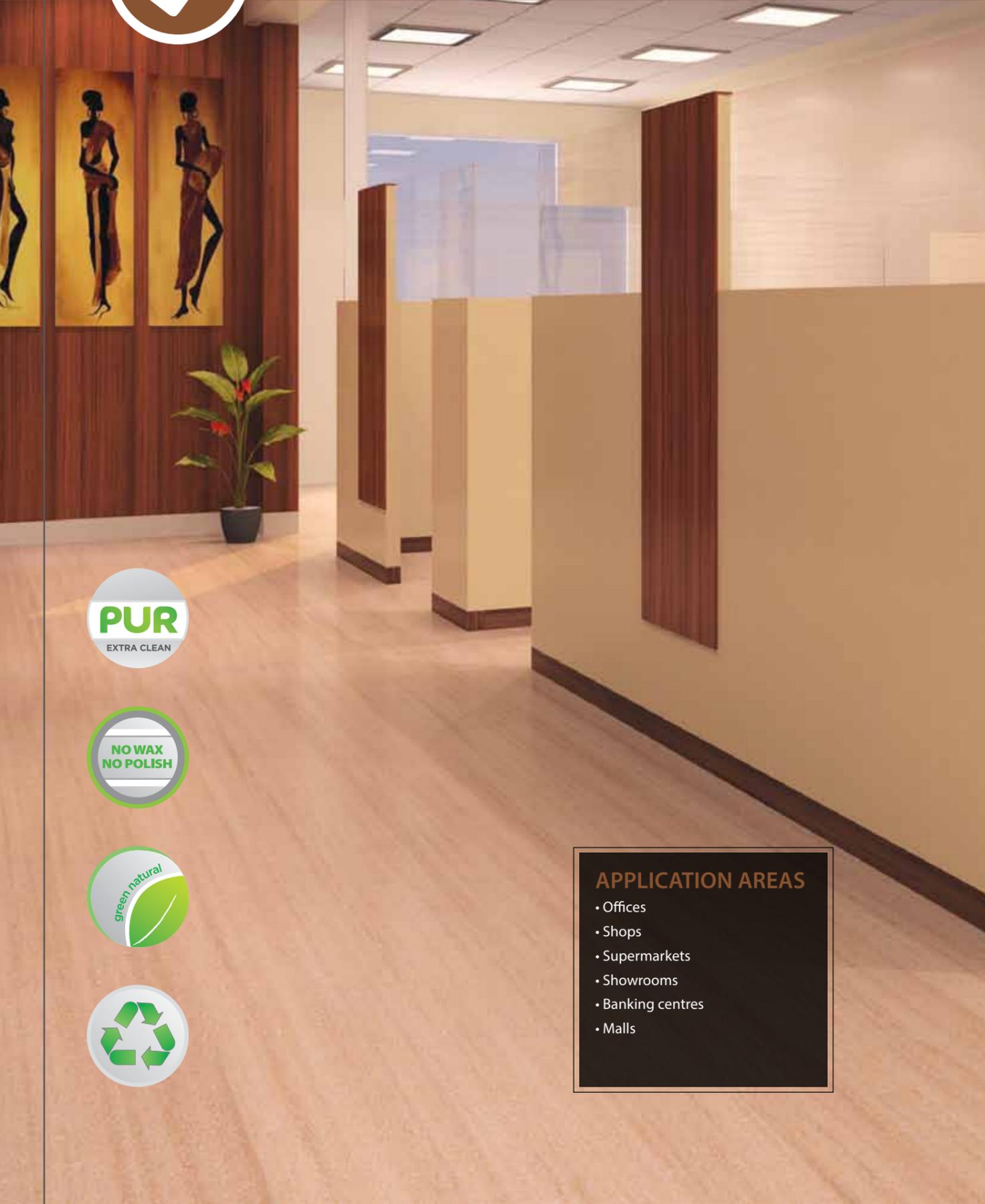
Vinyl Sports flooring.

Polaris® is the technical solution for any sports facility with firm underfoot comfort and energetic colours that will bring life to any game. With an elevated underfoot comfort, it is the ideal solution for professional sports, multi-purpose halls, gymnasiums, kindergartens and applications where athletic performance, safety, energy absorption, noise reduction, design, and durability are essentials.

For full product range please refer to page 102.



RETAIL & OFFICES



APPLICATION AREAS

- Offices
- Shops
- Supermarkets
- Showrooms
- Banking centres
- Malls

Be Productive.

We offer special homogeneous flooring with professional designs to meet needs. Tough performance and high durability. No wax no polish maintenance. Best value for money solutions. This flooring requires no wax no polish maintenance and offers the best value for money solutions.



Jewelry Shop
Sau Paulo, Brazil
Wood Essence

REFERENCES

- Bauqiao Peace Comm Center**
Taipei, Taiwan
Product: Wood Essence
- Air Arabia Office**
Abu Dhabi, UAE
Product: Spica RQ
- Jewelry Shop**
Sau Paulo, Brazil
Product: Wood Essence
- Bryne International Office**
Dubai, UAE
Product: Wood Essence
- State Bank Of India**
Mumbai, Dubai
Product: Vega Plus

PRODUCT FOCUS



Vega Plus®

Homogeneous flooring.

Versatile and dynamic, Vega Plus® is an easy choice for commercial interiors. With performance characteristics that suit medium to heavy traffic applications and with an easy to match colour range, Vega Plus® offers unmatched value for money.

For full product range please refer to page 48.



HOSPITALITY



APPLICATION AREAS

- Hotels
- Restaurants
- Bars
- Lounges
- Video game arcades
- Movie theatres

Invoke your chi.

Set your interiors with versatile options in wood, stone and granite look. Enhanced design with zero maintenance. Such that the floor retains the original look and finish.



REFERENCES

- Ritz Carlton**
DLFC, Dubai, UAE
Product: Gamma
- Pan Pacific**
Singapore
Product: Vega Plus
- One and Only Royal Miraj**
Dubai, UAE
Product: Canopus | Vega Plus
- Welcome Center**
Palm Jumeirah, Dubai, UAE
Product: Polaris
- Mumbai International Airport**
Food Court, Mumbai, India
Product: Wood Essence

PRODUCT FOCUS



Wood Essence®

Heterogeneous Multi-layered Flooring.

With colours, shades and patterns inspired by the elements, Wood Essence® is the architect's tool to create inspired natural spaces. Also, Wood Essence® conforms to strict environmental standards and is an ideal green solution for commercial interiors.

For full product range please refer to page 114.



WET AREAS

SUPER Anti-Slip

**NO WAX
NO POLISH**

**HEAVY DUTY
ENDURANCE**

**SILICONE
CARBIDE
PARTICLES**

**LOW SMOKE
DENSITY**



APPLICATION AREAS

- Locker rooms
- Bathrooms
- Shower areas
- Spas
- Gymnasiums
- Pool side areas

Toe the line.

Flooring that is engineered for barefoot comfort in potentially high slip areas.

We often ranges with R12 slip ratings in attractive designs. The design ensures that there will be no build of dirt, soap suds or any impurities over time.



REFERENCES

Cricket Club of India, Locker Rooms
Mumbai, India

Product: Canopus Crompton

One and Only Royal Mirage, Staff Kitchen
Dubai, UAE

Product: Canopus

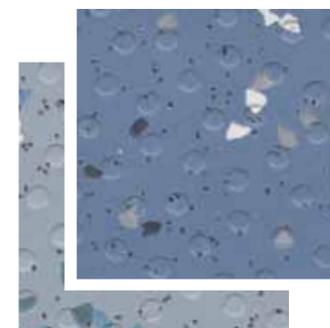
Cha Cha Char Restaurant, Kitchen
Brisbane, Australia

Product: Regor

Bombay Gymkhana, Locker Rooms
Mumbai, India

Product: Regor/Canopus Crompton

PRODUCT FOCUS



Canopus Crompton®

Safety & Wet Area flooring.

Made for barefoot and wet areas, Canopus Crompton® is a safety product designed for the urban landscape. With its invigorating colours, Canopus Crompton® is perfectly suited for applications such as locker rooms, showers, gymnasiums and wet areas where human safety is an issue.

For full product range please refer to page 80.



RESIDENTIAL



APPLICATION AREAS

- Living rooms
- Bedrooms
- Kitchens
- Kids rooms
- Nursery
- Temp housing

Maximum comfort. Least maintenance.

Residential flooring is available in many attractive wooden, stone and granite designs in easy to install vinyl rolls. Easy maintenance with only soap and water ensures that the product retains its original look throughout it's lifetime. Also with enhanced underfoot comfort and increased sound insulation properties. The product is good for peaceful residential settings



REFERENCES

Pansheel Builders
Pune, India
Product: Rose Wood

Marvel Builders
Mumbai, India
Product: Wood essence

Dorce Prefabrik
Abu Dhabi, UAE
Product: Gamma

One and Only Royal Mirage, Staff accommodation
Dubai, UAE
Product: Vega Plus

Ausco Modular, Mining Camps
Queensland, Australia
Product: Gamma/Canopus

PRODUCT FOCUS



Rose Wood®

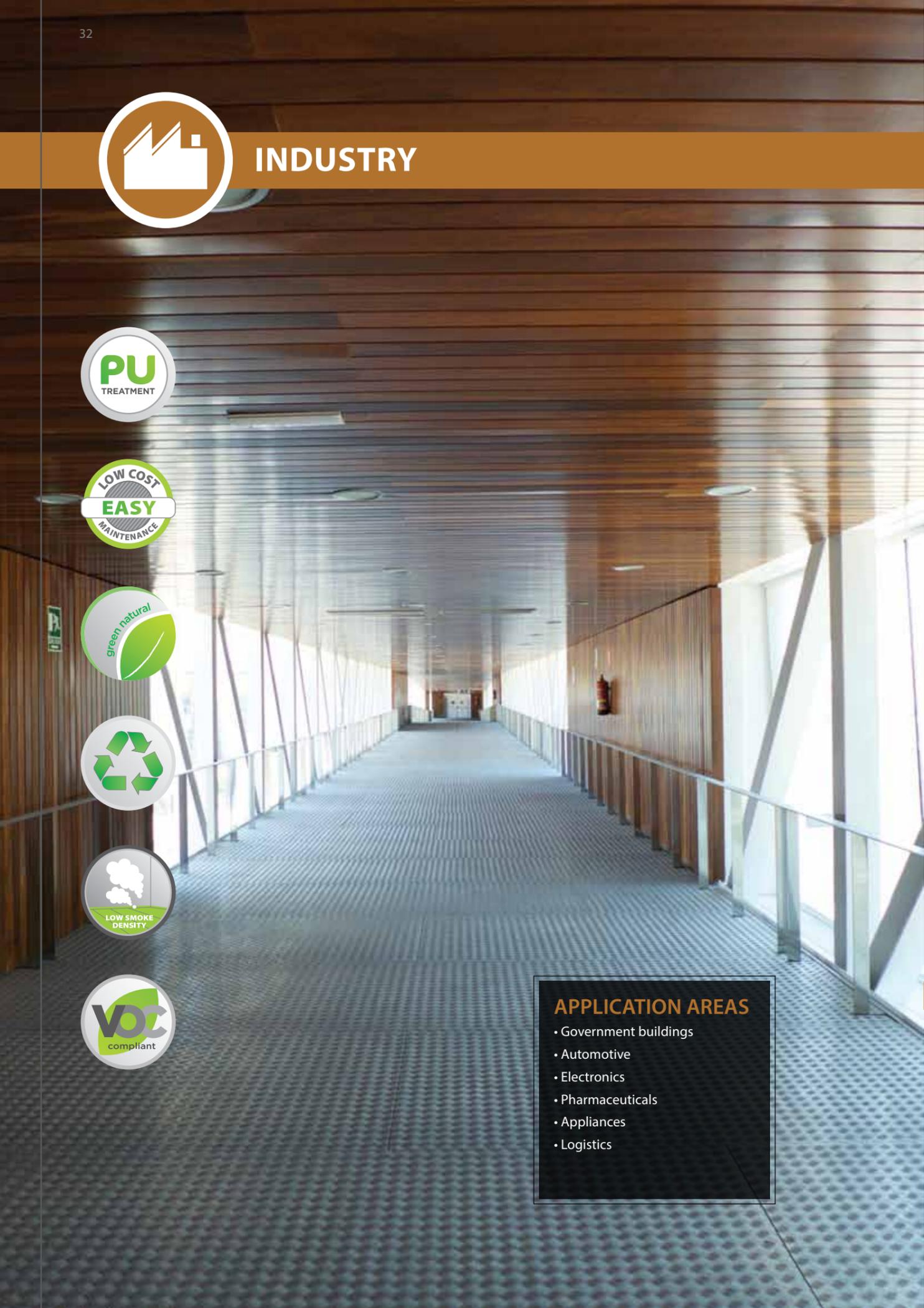
Vinyl Wood Planks.

Rose wood® vinyl planks, have versatile designs with three all over patterns in two different product qualities that create an attractive maintenance-free everyday environment. It transforms wooden shades to an active design and is often used in corridors, rooms, and offices.

For full product range please refer to page 108.



INDUSTRY



APPLICATION AREAS

- Government buildings
- Automotive
- Electronics
- Pharmaceuticals
- Appliances
- Logistics

Tough, Durable & Hardworking.

We are specialist producer of conductive, anti-static & homogeneous vinyl flooring. We provide anti-bacterial and anti-fungal protection with clean room certification. Also the flooring has the industry's best Group T abrasion for high level of anti-scratch performance.



National Laboratory
Sau Paulo, Brazil
 Non-directional Homogeneous

REFERENCES

- China Mobile**
Jiaxing, China
 Product: Spica RQ
- P & G Factory**
Singapore
 Product: Vega Plus
- BMW Factory**
India
 Product: Vega Plus
- Pharmaceutical Factory**
Ivory Coast
 Product: Canopus Plus
- Johnson & Johnson**
Mumbai, India
 Product: Spica RQ

PRODUCT FOCUS

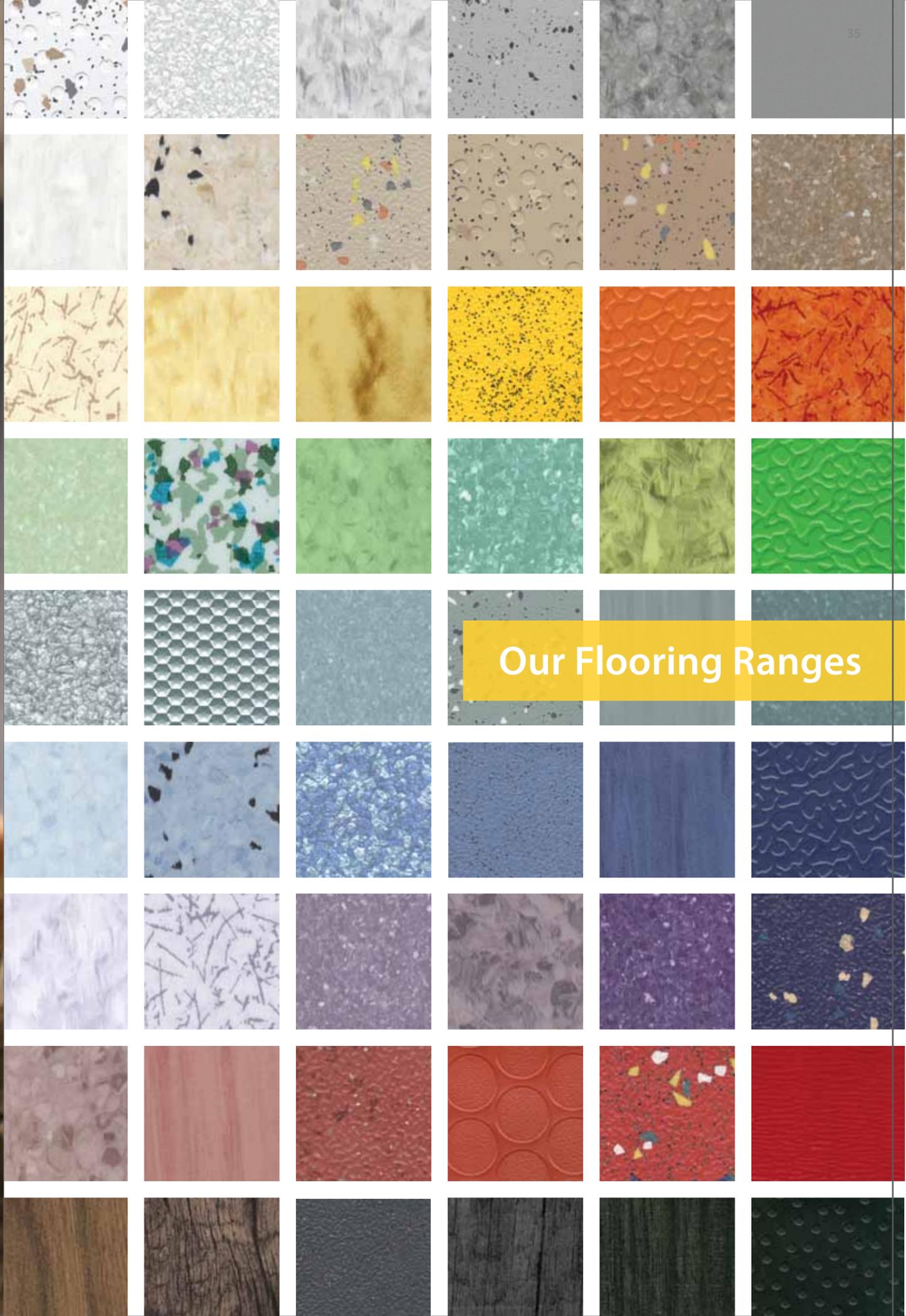
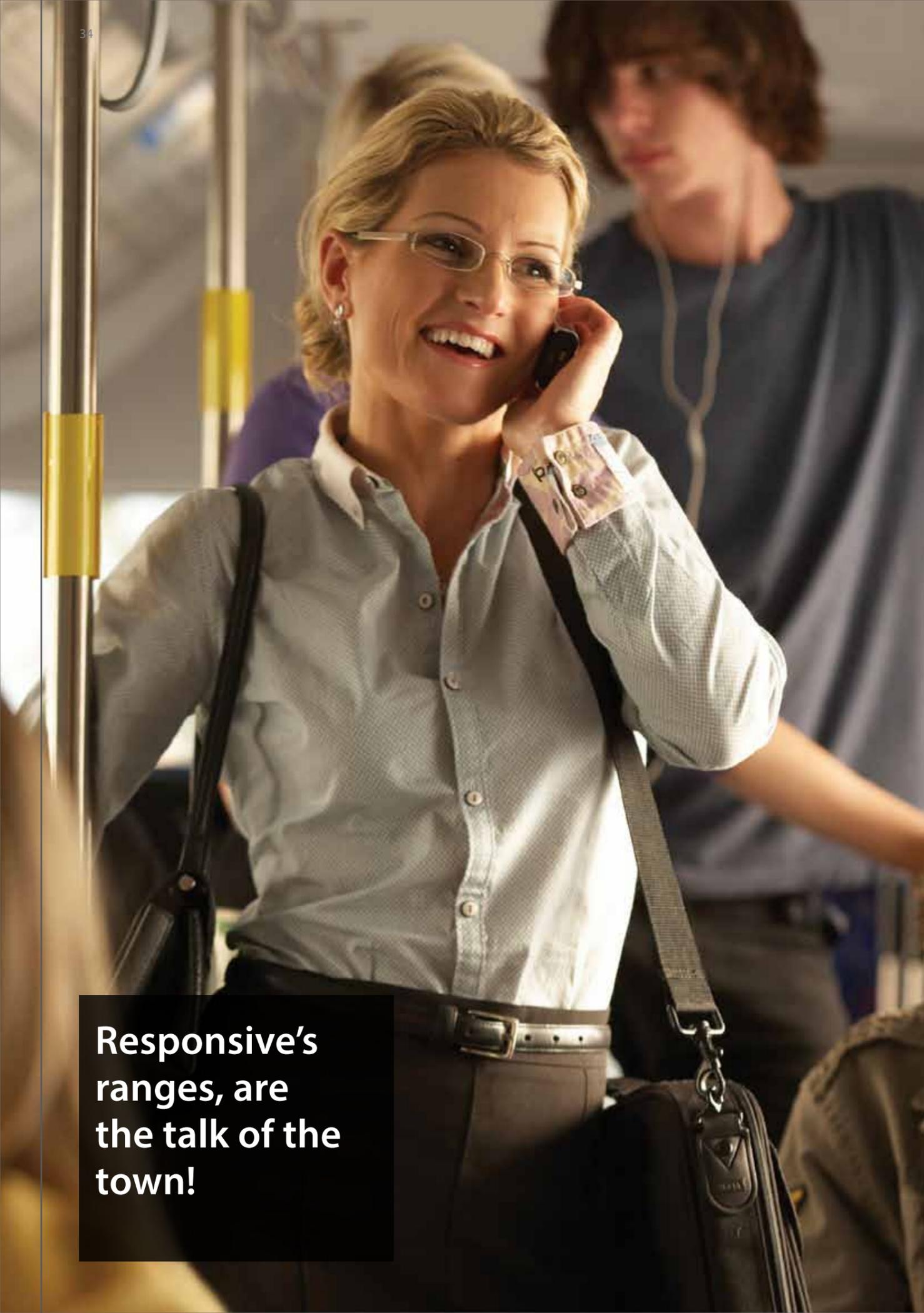


Spica RQ®

Non-directional Homogeneous flooring.

Spica RQ® is a value added product in a wide choice of natural colours that will be perfectly suited for heavy foot traffic applications. The three-tone chip design gives extra depth to the visual effect and adds a nice touch of subtlety to a high quality range.

For full product range please refer to page 44.



Our Flooring Ranges

**Responsive's
ranges, are
the talk of the
town!**

Aquaris RQ®

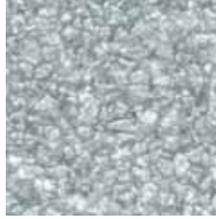
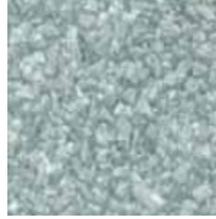
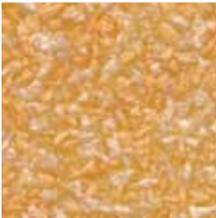
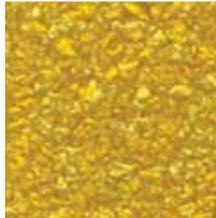
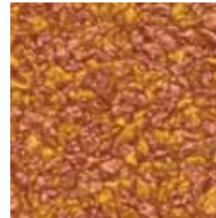
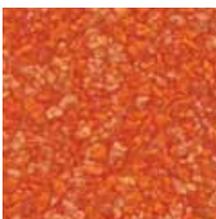
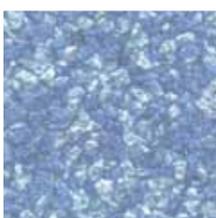
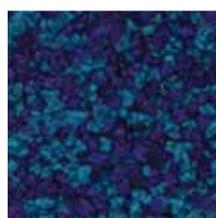
Vibrant and striking.

Aquaris RQ® is a completely unique concept - a three dimensional compressed chip design, which appeals to the most discerning clients. It's breathtaking colours are an ideal choice for environments where aesthetics, beauty and prestige are paramount. The perfectly hard surface is extremely easy to clean and impossible to scratch. Aquaris RQ® shades and patterns are fully customized – giving you the creative freedom to design the most exclusive interiors.



shades

Aquaris RQ®

 1968-381-4	Steel Mist	 8010	Light Gravel	 1968-385-4	Stone Age	 8011	Rock Bottom
 1968-382-4	Nutmeg	 8015	Summer Fern	 8012	Soft Moss	 8017	Sinopia
 8014	Orange Mustard	 1968-235-4	Honeydew	 1968-383-4	Deep Spice	 1968-387-4	Earthy Brown
 1968-237-4	Orange Peel	 8018	Deep Red	 1968-384-4	Sinopia	 1968-269-4	Emerald Green
 1968-386-4	Silver Sky	 8013	Calm Blue	 1968-388-4	Oceania		

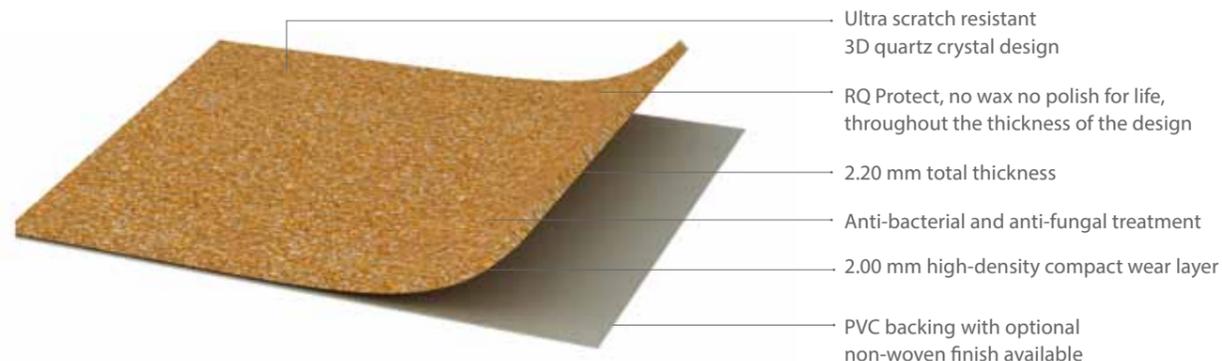
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Aquaris RQ® product overview

Group T | RQ Protect | R10



- Ultra scratch resistant 3D quartz crystal design
- RQ Protect, no wax no polish for life, throughout the thickness of the design
- 2.20 mm total thickness
- Anti-bacterial and anti-fungal treatment
- 2.00 mm high-density compact wear layer
- PVC backing with optional non-woven finish available



Aquaris RQ® is a flexible, compact, homogeneous inlaid, floor covering with a 3D design, in 2.20 mm thickness with a 2.00 mm wear layer. It incorporates multi-tone colours within a dense protective homogeneous shell and is uniform throughout the thickness of the quartz design. Available in sheets and tiles, the surface is densely treated for superior wear resistance and reduced maintenance.



Aquaris RQ® is treated with the new RQ Protect patented process providing a high level of durability and acting as a barrier against stains and chemical aggression. RQ Protect completely replaces the application of wax or polish during the lifetime of the product.



Aquaris RQ® is anti-fungal and anti-bacterial. The flooring complies with the EN 649 (34 / 43) and has a group T wear rating. It is suitable for heavy traffic areas.



Aquaris RQ® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/ Standard, Method V1.1-2010 (certificate 120316-01).

Applications

- Healthcare
- Schools, colleges and childcare
- Clinics
- Museums and libraries
- Exhibition centres
- Auditoriums
- Shopping malls
- Video arcades
- Reception areas

Special Features

- 3D design
- New range of designer friendly colours
- RQ Protect process
- No wax, no polish for life
- Ultra heavy-duty and durable
- Antibacterial and antifungal
- VOC compliant

technical specifications

Aquaris RQ®

Characteristics	Standards	Units	Aquaris RQ®
Description			Compact homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic
Special treatment			RQ Protect
Overall thickness	EN 428	mm	2.20
Thickness of wear layer	EN 429, ASTM F410	mm	2.00
Weight	EN 430	g/m ²	3000
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	Class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	6
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1: 2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰ (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	≥ 13
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



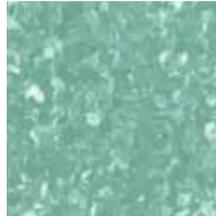
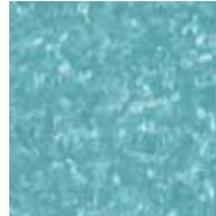
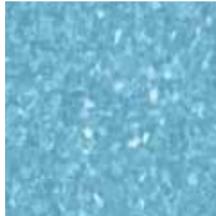
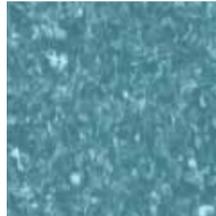
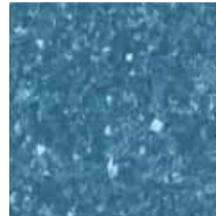
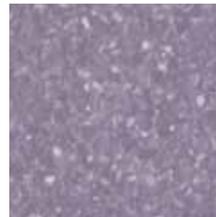
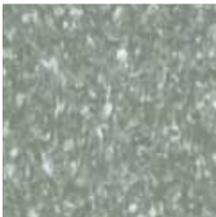
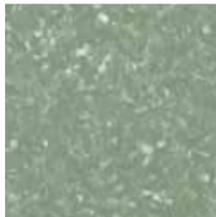
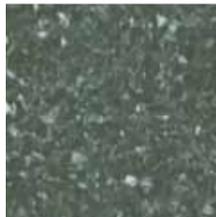
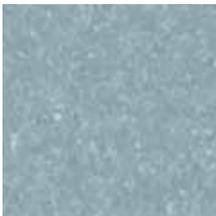
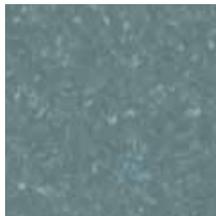
The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Colour seduction.

Attractive, distinctive and eye-catching, Petra RQ® presents a fascinating palette of 23 colours that will lighten up your environment. This contemporary pallet is designed to be beautiful in a multitude of interiors. Petra RQ® also boasts of the highest performance for durability, hardness, abrasion, stain and chemical resistance. With near to zero maintenance and easy installation, Petra RQ® is the first choice for leading architects, consultants and designers.

shades

Petra RQ®

 PQ-01 Latte	 PQ-02 Quartz	 PQ-03 Fleece	 PQ-16 Light Aqua
 PQ-13 Frost	 PQ-12 Iced Mint	 PQ-14 Asparagus	 PQ-19 Scuba Blue
 PQ-17 Summer Sky	 PQ-18 Ocean Blue	 PQ-20 Gemstone	 PQ-21 Dark Aqua
 PQ-04 Mushroom	 PQ-05 Light Toffee	 PQ-06 Dark Toffee	 PQ-22 Washed Indigo
 PQ-07 Seaweed	 PQ-15 Green Pond	 PQ-08 Graphite	 PQ-23 Fuchsia
 PQ-10 Gun Metal	 PQ-09 Lead	 PQ-11 Black Onyx	

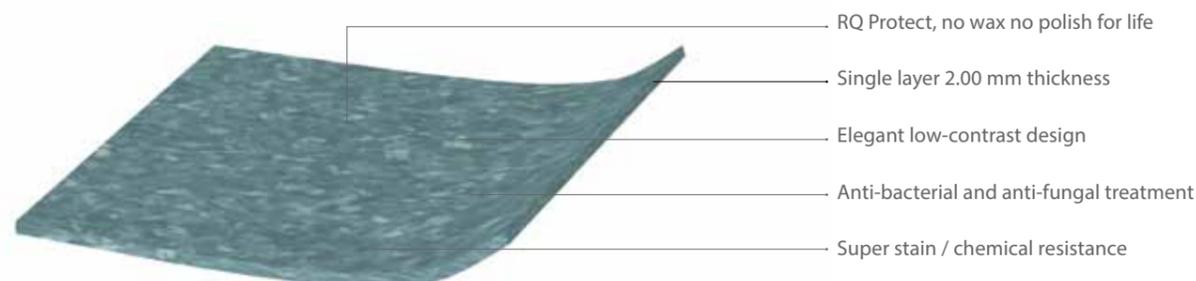
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Petra RQ® product overview

Group T | RQ | R10



Petra RQ® is a flexible, homogeneous, non-directional floor covering with a delicate design incorporated throughout the entire 2.00 mm thickness of the product. Available in sheets and tiles, the surface is densely treated for superior wear resistance and reduced maintenance.



Petra RQ® is treated with the new RQ Protect patented process providing a high level of durability and acting as a barrier against stains and chemical aggression. RQ Protect completely replaces the application of wax or polish during the lifetime of the product.



Petra RQ® is anti-fungal and anti-bacterial. The flooring complies with the EN 649 (34 / 43) and has a group T wear rating. It is suitable for heavy traffic areas.



Petra RQ® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

Applications

- Hospitals
- Clinics
- Auditoriums
- Hallways
- Reception areas
- Supermarkets
- Waiting rooms
- Offices
- Kindergartens
- Laboratories
- Classrooms
- Dormitories

Special Features

- Elegant low-contrast design
- New extensive colour range
- RQ protect
- No wax, no polish for life
- Heavy-duty endurance
- Ultra heavy-duty and durable
- Antibacterial and antifungal
- VOC compliant

technical specifications

Petra RQ®

Characteristics	Standards	Units	Petra RQ®
Description			Non-directional homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic / heavy duty
Special treatment			RQ Protect : no wax no polish for life
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	2.00
Weight	EN 430	g/m ²	2800
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	4
Reaction to fire	EN ISO 9239-1 : 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰ (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	m ² kW	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Combine pleasure with reason.

Spica RQ® is a value added product in a wide choice of natural colours that will be perfectly suited for heavy foot traffic applications. The three-tone chip design gives extra depth to the visual effect and adds a nice touch of subtlety to a high quality range.

shades

Spica RQ®



White dust

SP-01



Moon Crater

SP-02



Silica Dream

SP-03



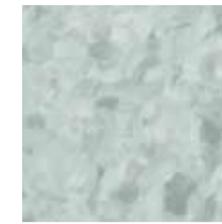
Cream Silk

SP-04



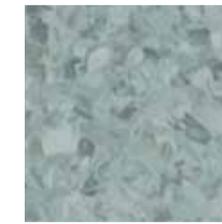
Iced Silver

SP-06



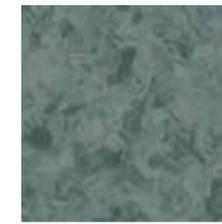
Cool Breeze

SP-07



Smoky Way

SP-08



Dark Shadow

SP-10



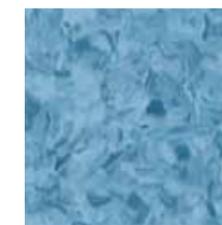
Cold Flint

SP-09



Winter Lily

SP-11



Blue Sway

SP-12



Tender Leaf

SP-13



Desert Ochre

SP-05

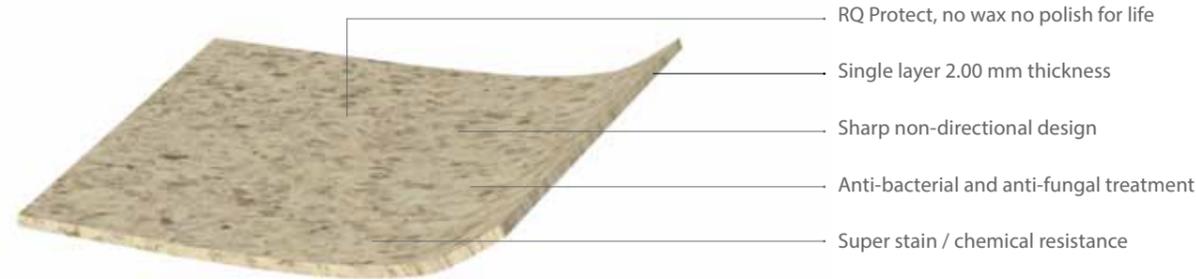
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Spica RQ® product overview

Group T | RQ | R10



Spica RQ® is a flexible, homogeneous, non-directional floor covering with a sharp non-directional design incorporated throughout the entire 2.00 mm thickness of the product. Available in sheets and tiles, the surface is densely treated for superior wear resistance and reduced maintenance.



Spica RQ® is treated with the new RQ Protect patented process providing a high level of durability and acting as a barrier against stains and chemical aggression. RQ Protect completely replaces the application of wax or polish during the lifetime of the product.



Spica RQ® is anti-fungal and anti-bacterial. The flooring complies with the EN 649 (34 / 43) and has a group T wear rating. It is suitable for heavy traffic areas.



Spica RQ® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

Applications

- Hospitals
- Clinics
- Auditoriums
- Hallways
- Reception areas
- Supermarkets
- Waiting rooms
- Offices
- Kindergartens
- Laboratories
- Classrooms
- Dormitories

Special Features

- Sharp non-directional design
- New colour range
- RQ Protect
- No wax, no polish for life
- Heavy-duty endurance
- Antibacterial and antifungal
- VOC compliant

technical specifications

Spica RQ®

Characteristics	Standards	Units	Spica RQ®
Description			Non-directional homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic / heavy duty
Special treatment			RQ Protect : no wax no polish for life
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	2.00
Weight	EN 430	g/m ²	2950
		m (width)	2
		m (length)	15 / 20
Sheet size	EN 426	m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	4
Reaction to fire	EN ISO 9239-1 : 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	≤ 10 ¹⁰ (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	m ² k/W	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Love it, want it.

Versatile and dynamic, Vega Plus® is an easy choice for commercial interiors. With performance characteristics that suit medium to heavy traffic applications and with an easy to match colour range, Vega Plus® offers unmatched value for money.

shades

Vega Plus®

 4699-571-4	 4699-581-4	 4699-592-4	 4699-596-4
 4699-575-4	 4699-590-4	 4699-576-4	 4699-587-4
 4699-584-4	 4699-594-4	 4699-586-4	 4699-574-4

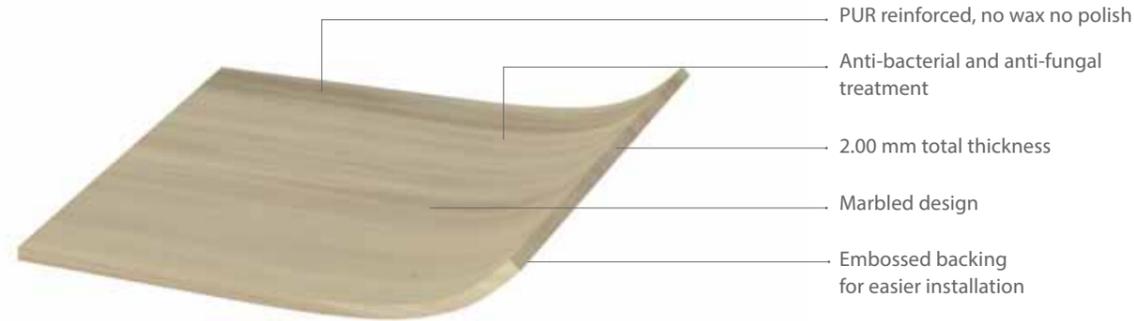
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Vega Plus® product overview

Group P | PUR | R10



Vega Plus® is a flexible, homogeneous, vinyl floor covering with directional marbled pattern coloured and designed throughout the 2.00 mm thickness of the product. Available in sheets & tiles, the surface is treated for improved wear and is processed with an easy clean PUR surface treatment that reduces maintenance acting as a barrier against stains and chemical aggression.

Vega Plus® is antifungal and antibacterial. The flooring complies with the EN 649 (34 / 43) and has a group P wear rating. It is suitable for heavy traffic areas.

Applications

- Hospital rooms & corridors
- Hotels and retail outlets
- Modular structures
- Storage & service areas
- Labs
- Mass merchant retail
- Industrial premises (corridors, offices and halls)

Special Features

- Available in 12 versatile colours & 4 thicknesses
- Low cost maintenance
- No wax, no polish
- Antibacterial and antifungal
- Heavy-duty endurance
- VOC compliant

Vega Plus® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).



technical specifications

Vega Plus®

Characteristics	Standards	Units	Vega Plus®
Description			Directional homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	P
Usage			Medium to heavy foot traffic
Special treatment			PUR : no wax no polish
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	2.00
Weight	EN 430	g/m ²	3400
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm ³	< 4
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg 0.001
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	Class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (< 0.30) Pass (0.70 Avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	4
Reaction to fire	EN ISO 9239-1 : 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰ (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	m ² k/W	< 0.00809
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



1.5, 2.5 and 3.0 mm thicknesses available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Get serious.

No fuss, no frills, only heavy-duty performance. Talitha offers basic design and colour, just what is needed for serious environments where value for money solutions are the top priority.

shades

Talitha®

 2349-771-4	 2349-764-4	 2349-755-4	 2349-766-4
 2349-751-4	 2349-753-4	 2349-761-4	 2349-767-4
 2349-758-4	 2349-762-4	 2349-772-4	 2349-754-4
 2349-757-4	 2349-765-4	 2349-756-4	

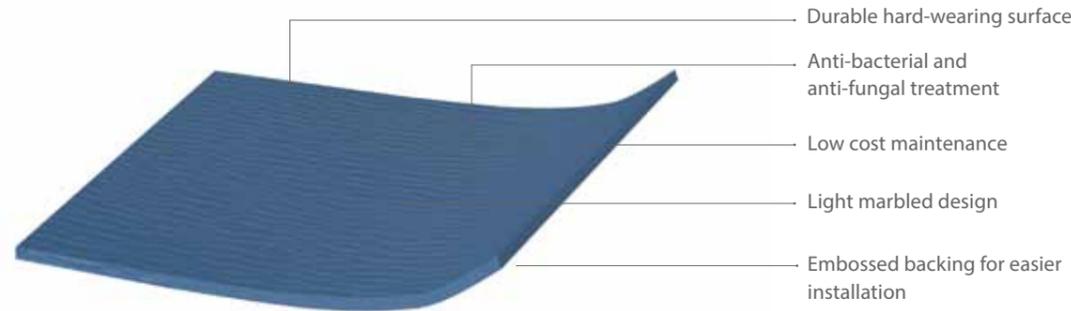
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Talitha® product overview

Group P | R10 | 4 dB



Talitha® is a fully flexible, homogeneous vinyl floor covering with slight directional decor coloured and designed throughout the 2.00 mm thickness available in sheets and tiles. The product is PU treated and compacted for improved wear and ease of maintenance.



Talitha® is anti-fungal and anti-bacterial. The flooring complies with the EN 649 (34 / 43) and has a group P wear rating. It is suitable for heavy traffic areas.



Talitha® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).



Applications

- Accommodation: holiday homes, youth camps, hotels and hostels
- Porta-cabins
- Retail centres
- Modular structures
- Storage & service areas
- Labs
- Hospitals
- Mass merchant retail
- Heavy industry
- Heavy duty

Special Features

- PU treatment
- Low cost easy maintenance
- Hygienic and versatile
- Antibacterial and antifungal
- Heavy-duty usage
- Versatile product available in multiple thicknesses
- VOC compliant

technical specifications

Talitha®

Characteristics	Standards	Units	Talitha®
Description			Directional homogeneous
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	P
Usage			Medium to heavy foot traffic / heavy duty
Special treatment			Easy maintenance PU treatment
Overall thickness	EN 428	mm	1.50
			2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.50
			2.00
Weight	EN 430	g/m ²	1.50 mm : 2750
			2.00 mm : 3500
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300
			500 x 500
			610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm ³	< 4
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.06 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.002
Slip resistance	DIN 51130		R 10
	AS / NZS 4586 (wet pendulum)	Class	X (medium slip potential)
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	$\Delta Lw = \text{dB}$	4
Reaction to fire	EN ISO 9239-1 : 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰ (Antistatic)
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074		NA
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	NA
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



Available in 1, 1.5, 2.5 and 3.00 mm thickness on special order.

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Lateral thinking.

Hygienic, crisp, clean, and easy - Capilla® is the preferred wall covering choice for tough professional environments. With pleasing pastel designs, Capilla® is the perfect complement for Responsive's extensive vinyl flooring collection.



shades



Vanilla Ice

9939-379-4



Desert Ivory

9939-381-4



Milkshake

9939-380-4



Ice Crystal

9939-372-4



Dark Moon

9939-375-4

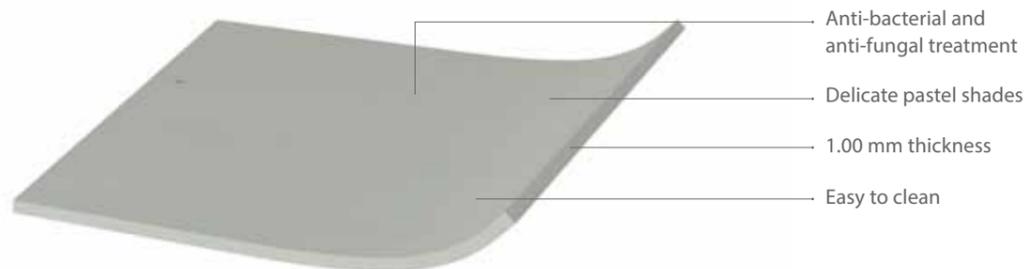
Capilla®

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Capilla® product overview

PUR | Anti-bacterial



Capilla® is a homogeneous flexible vinyl wall covering available in 1.00 mm thickness, designed to be fully resistant to impact. Capilla acts as a buffer against damage from beds, trolleys and indoor motorised vehicles or other transportation systems.



Capilla® is fully impact resistant and is therefore ideal for use as a cladding in large public buildings such as hospitals, care institutions, dental and veterinary surgeries, clean rooms, stores and supermarkets, warehouse and storage areas.



Capilla® is anti-fungal and anti-bacterial, is available in sheets 2.0m wide and complies with the European norm EN 649.



Applications

- Hospitals
- Clinics
- Offices
- Laboratories
- Classrooms
- Dormitories
- Retirement homes
- Hallways
- Reception areas

Special Features

- Heavy-duty wall protection
- Easy to match pastel shades
- Available in 1 & 1.3 mm thicknesses
- Antibacterial and antifungal
- PUR treatment
- Low cost easy maintenance
- VOC compliant



Capilla® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB /Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

Capilla®

Characteristics	Standards	Units	Capilla®
Description			Vinyl wall covering
Special treatment			PUR
Overall thickness	EN 428	mm	1.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
Weight	EN 430	g/m ²	1600
Sheet size		m (width)	2
	EN 426	m (length)	20
		m ² (surface area)	40
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Reaction to fire	EN ISO 9239-1 : 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl-S1
	ASTM E648-06	Type	1
Thermal resistance	ISO 8302 (EN 12664)	m ² k/W	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding

1.3 mm thicknesses available to special order.

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Electra® Vega Plus EL®

Protect your equipment.

Electra® is a robust dissipative product ideal for use in applications such as IT server areas and electric rooms. The simple colour palette and monochromatic design makes Electra® an easy floor covering choice.



Don't be shocked.

With attractive directional marble designs, Vega Plus EL® is the designer's choice for attractive dissipative interiors. Combining performance with design, Vega Plus EL® is electrostatic, durable, easy to install and easy to clean.



shades



Antelope

2759-802-4



Soft gray

2759-806-4



Arctic Shadow

2759-803-4



Carbon Copy

2759-804-4

shades



Caramel

4699-571-4



Brown Tan

4699-581-4



Platinum

4699-575-4



Grape Spread

4699-574-4



Burnt Metal

4699-576-4

Applications

- Server rooms
- Computer rooms
- Electronic manufacturing units
- Radiotherapy and lab areas
- Shop floors
- Clean industries

Special Features

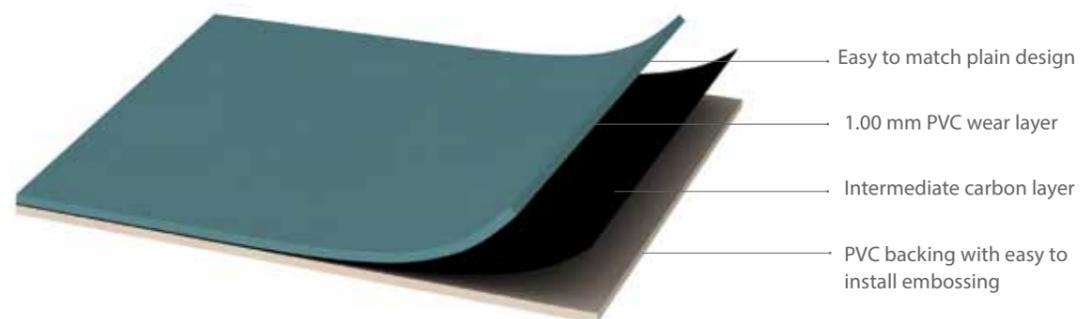
- $R < 10^8 \Omega$
- No wax, no polish
- Heavy foot traffic
- Reduction of static charge
- Durable
- Hygienic

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Electra® product overview

Group P | R10 | R < 10⁹Ω

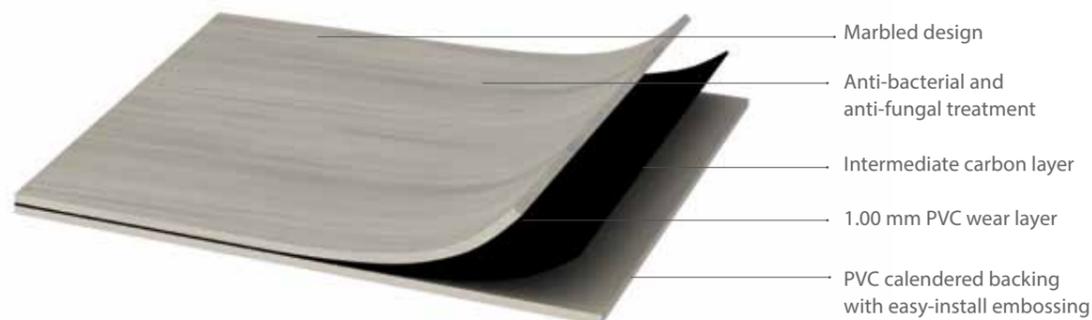


Electra® is a dissipative, antistatic (< 2 kV), flexible homogeneous floor covering in 2.00 mm thickness, available in both sheet and tile form, with permanent antistatic properties (EN 1081), it acts as a continuous dissipater (10⁶ ≤ Rt ≤ 10⁹).

Electra® is anti-fungal and anti-bacterial, is available in sheets 2.00 m wide, complies with the European norm EN 649 (34-43) and has excellent resistance to static and rolling loads.

Vega Plus EL® product overview

Group P | R10 | R < 10⁸Ω



Vega Plus EL® is a dissipative, antistatic (< 2 kV), flexible homogeneous floor covering in 2.00 thickness, with a directional marbled design available in both sheet and tile form, with permanent antistatic properties (EN 1081) it acts as a continuous dissipater (10⁶ ≤ Rt ≤ 10⁸).

Vega Plus EL® is anti-fungal and anti-bacterial, is available in sheets 2.00m wide, complies with the European norm EN 649 (34-43) and has excellent resistance to static and rolling loads.

technical specifications

Electra® | Vega Plus EL®

Characteristics	Standards	Units	Electra®	Vega Plus EL®
Description			Dissipative / anti-static flooring	Dissipative / anti-static flooring
General performance	BS EN ISO 10874: 2012	Class	34 - 43	34 - 43
	BS EN 649 : 2011	Group	P	P
Usage			Heavy foot traffic	Heavy foot traffic
Overall thickness	EN 428	mm	2.00	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00	1.00
Weight	EN 430	g/m ²	3500	3400
		m (width)	2	2
		m (length)	15 / 20	15 / 20
Sheet size	EN 426	m ² (surface area)	30 / 40	30 / 40
		mm x mm	300 x 300	300 x 300
Tile size	EN 427	mm x mm	500 x 500	500 x 500
			610 x 610	610 x 610
Abrasion resistance	EN 660 -2	Group	P	P
	EN 660 -2	Volume loss mm ³	< 4	< 4
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800	800
	ASTM F1914	inches	Avg. 0.001	Avg. 0.001
Slip resistance	DIN 51130		R 10	R 10
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40	≤ 0.40
Flexibility	EN 435	mm	< 20	< 20
	ASTM F137		Pass	Pass
Castor chair test	EN 425	Type of use	Continuous	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	4	4
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8	≥ 8
	EN ISO 11925-2 : 2010		Pass	Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1	Bfl - S1
ASTM E648-06	Type	1	1	
Static electrical propensity	EN 1815	kV	< 2.0	< 2.0
Electrical resistance	EN 1081	Ω	< 109 (Anti-static)	< 108 (Anti-static)
Thermal resistance	ISO 8302 (EN 12664)	m ² k/W	< 0.00809	< 0.00809
	ASTM 1514		Pass	Pass
Smoke density	ASTM E 662-05	Dm	< 450	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6	≥ 6
Walking resonance	NF XPS 31 074	dB	4	4
Stain & chemical resistance	BS EN ISO 26987 : 2012	Index	0 (Excellent resistance)	0 (Excellent resistance)
	ASTM F925		Pass	Pass
Fungi & bacteria resistance	(E1) PCP	%	NA	<0.1 (none detected)
	ASTM G - 21		Does not favour growth	Does not favour growth
	ASTM D3273		Pass	Pass
Clean rooms	ASTM F51/68	Class	A, non shedding	
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)	
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2	
	US Coast Guard Approved		(Surface Flammability / Heat Release)	
	Marine Equipment Directive		1121	

3mm thickness available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Electra | Vega Plus EL® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

Electra Plus®

Let the charge flow.

Engineered for fail safe performance, Electra Plus® is the technical solution for operation theatres, X-ray rooms, ICU's, clean rooms, electronic manufacturing and other conductive applications. In addition, Electra Plus® is aesthetically appealing, which adds value to quality interiors, making the product easy to specify.



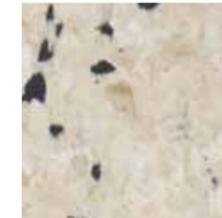
shades

Electra Plus®



Spotted Owl

5698-776-4



Speckled Mud

5698-770-4



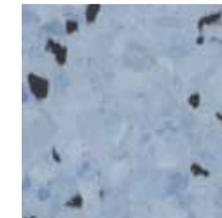
Stoic Dream

5698-771-4



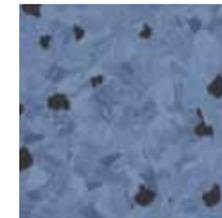
Stone Castle

5698-772-4



Corsican Cloud

5698-773-4



Imperial Blue

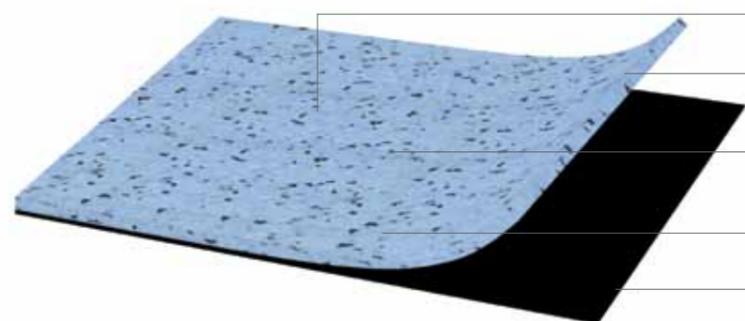
5698-774-4

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Electra Plus® product overview

Group P | $10^4 < R < 10^6 \Omega$



- Easy maintenance
- 1,90 mm homogeneous shell with carbon chips
- Anti-bacterial and anti-fungal treatment
- Non-directional design
- 0,10 mm carbon backing (no need for copper strip grid)



Electra Plus® is a static-conductive, flexible homogeneous vinyl floorcovering with an electrical resistance of $10^4 \leq R_t \leq 10^6$ conforming to EN 1081.



Electra Plus® is homogeneous through the 1.90 mm thickness of its carbon designed wear layer and has a carbon conductive backing to ensure optimal and constant static-conductive properties and giving it a total thickness of 2.00 mm



Electra Plus® is anti-fungal and anti-bacterial and is available in sheets 2 m wide or tiles. It complies with the European norm EN 649 (34-43) and has excellent resistance to static and rolling loads.



Applications

- Intensive care units
- Server rooms
- Computer rooms
- Electronic manufacturing units
- Radiotherapy and lab areas
- Electronic equipment rooms
- Shop floors
- Clean industries

Special Features

- $10^4 \leq R_t \leq 10^6 \Omega$
- Easy maintenance
- Elimination of static charge
- Specialised floor
- Available up to 3.00mm in sheet and tiles



Electra Plus® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

Electra Plus®

Characteristics	Standards	Units	Electra Plus®
Description			Conductive flooring
General performance	BS EN ISO 10874: 2012	Class	34 - 43
	BS EN 649 : 2011	Group	P
Usage			Heavy foot traffic
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.90
Weight	EN 430	g/m ²	3200
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300
			500 x 500
			610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm ³	< 4
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435 ASTM F137	mm	< 20 Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	4
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	$10^4 < R < 10^6$ (Conductive)
Thermal resistance	ISO 8302 (EN 12664)	m ² k/W	< 0.00512
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	<0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121

3mm thickness available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Canopus Platinum®

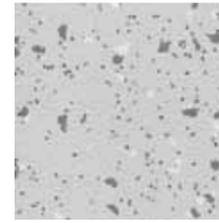
Be safe, look beautiful.

Stylish, soft, and classy, Canopus Platinum® defines elegance for safety floors. The range has a carefully constructed colour palette and is uniquely complemented by superior performance characteristics. With endless possibilities of application areas, Canopus Platinum® is far ahead of its time.



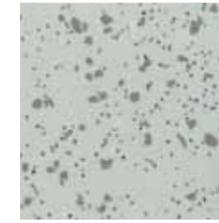
shades

Canopus Platinum®



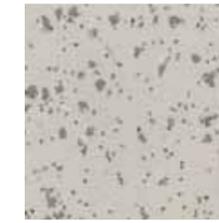
Ice Age

3745-201-4



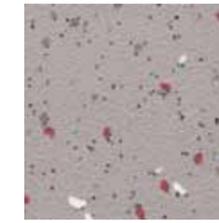
Iron Ore

3745-202-4



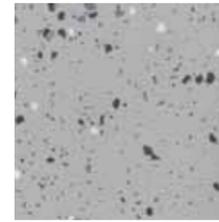
Ecrú

3745-203-4



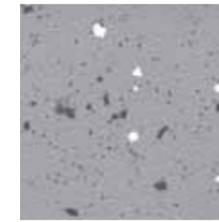
Sun Spots

3745-205-4



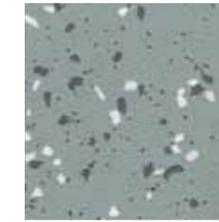
Cement

3745-204-4



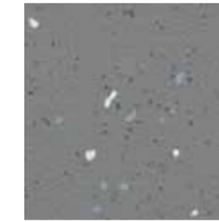
Concrete

3745-206-4



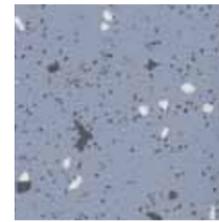
Alpine Green

3745-209-4



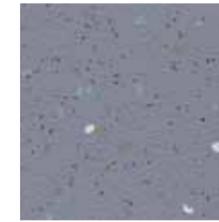
Ash Grey

3745-211-4



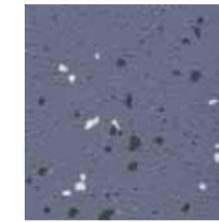
Atlantic Blue

3745-207-4



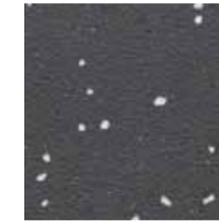
Shadow Dance

3745-212-4



Sapphire

3745-208-4



Carbon

3745-210-4

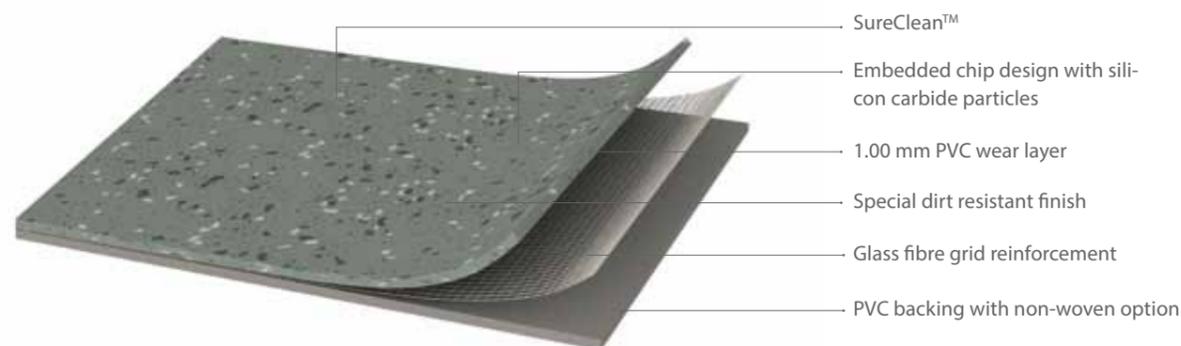
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Canopus Platinum® product overview

Group T | SureClean™ | R11



Canopus Platinum® is an anti-slip fully flexible vinyl floorcovering 2.00 mm thick with silicon carbide crystals and coloured chips for a decorative design with R11 slip resistant properties. The product has a 1.00 mm wear layer and is reinforced with a glass fibre grid for extra dimensional stability.



The SureClean™ surface treatment replaces wax and polish after installation without reducing the anti-slip properties of the flooring and providing a high level of dirt resistance and ease of maintenance.



Canopus Platinum® is antifungal and antibacterial, complies with the EN 649 norm (34 / 43) and has a group T wear rating.



Canopus Platinum® is suitable for transport applications such as buses, trains, ships and airplanes. It is also applicable for non-slip performance in commercial and industrial areas. It is the ideal solution for heavy traffic applications where enhanced slip resistance, aesthetic beauty and easy maintenance are required.



Applications

- Transport: buses, coaches, trains, subways, boats
- Airports, train and ferry terminals
- Ramps and elevated corridor access
- Lift areas and entrances
- Kitchens or wet areas in healthcare, leisure, or schools
- Industrial locations
- Heavy duty, heavy traffic areas

Special Features

- SureClean™ surface treatment
- No wax no polish
- High anti-slip rating
- Heavy-duty endurance
- Silicone carbide particles
- VOC compliant



Canopus Platinum® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).



technical specifications

Canopus Platinum®

Characteristics	Standards	Units	Canopus Platinum®
Description			Safety and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic / heave duty
Special treatment			Anti-slip surface with silicon carbide granules. SureClean™
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
Weight	EN 430	g/m ²	2800
		m (width)	2
		m (length)	15 / 20
Sheet size	EN 426	m ² (surface area)	30 / 40
		mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
Residual indentation	ASTM D3389 (Weight loss /1000 cycles)	g	< 0.40
	EN 433	mm	~ 0.03 (≤ 0.10)
Slip resistance	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Dimensional stability	DIN 51130		R 11
	BS 7976-2 (pendulum method)		Low slip potential
	EN 13893	Coefficient of friction	DS (> 0.30)
Flexibility	ASTM D2047		Pass (0.70 avg)
	EN 434	%	≤ 0.40
Castor chair test	EN 435	mm	< 20
Sound insulation	ASTM F137		Pass
Reaction to fire	EN ISO 9239-1: 2010	Type of use	Continuous
	EN ISO 11925-2: 2010	$\Delta Lw = \text{dB}$	5
Static electrical propensity	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN 13501-1:2007+A1: 2009	Class	Pass
	ASTM E648-06	Type	Bfl - S1
Electrical resistance	EN 1815	kV	1
Thermal resistance	EN 1081	Ω	< 2.0
	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
Smoke density	ASTM 1514		Pass
Colour fastness to light	ASTM E 662-05	Dm	< 450
Walking resonance	EN ISO 105 - B02	Degrees	≥ 6
Stain & chemical resistance	NF XPS 31 074	dB	4
	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
Fungi & bacteria resistance	ASTM F925		Pass
	(E1) PCP	%	NA
Clean rooms	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Maritime usage	ASTM F51/68	Class	A, non shedding
	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



Available in 1, 1.5, 2.5 and 3mm thickness to special order

*NA - Not applicable

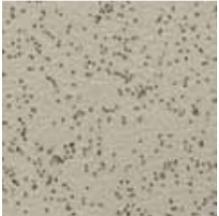
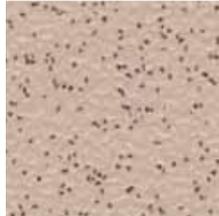
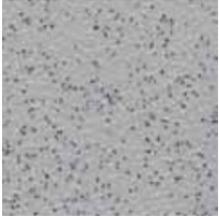
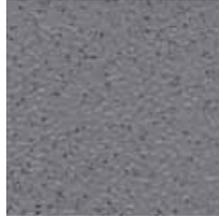
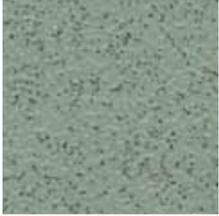
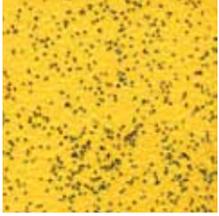
The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Safety first.

Robust and reliable, Canopus Plus® is the safety floor of choice where tough performance and durability are most important. With a R11 slip rating, Canopus Plus is suitable for industrial specifications where safety at work is an issue. Canopus Plus® is also widely used for heavy foot traffic applications.

shades

Canopus Plus®

 4419-520-4	 Light Beige	 4419-502-4	 Sand	 4419-321-4	 Peach Carnation	 4419-524-4	 Camel
 4419-503-4	 Rolling Stone	 4419-322-4	 Smoke	 4419-324-4	 Pewter	 4419-504-4	 Grey Town
 4419-325-4	 Mint	 4419-326-4	 Arctic Blue	 4419-518-4	 Lucky Sapphire	 4419-517-4	 Ocean Blue
 4419-508-4	 Sunny Sands	 4419-327-4	 Rosette	 4419-521-4	 Pillar	 4419-516-4	 Merlot
 4419-515-4	 Cement	 4419-506-4	 Platinum Emboss	 4419-522-4	 Clay	 4419-529-4	 Raven Smoke
 4419-328-4	 Iron	 4419-519-4	 Slate	 4419-329-4	 Midnight		 Coin

Coin emboss available in all colours (R12)

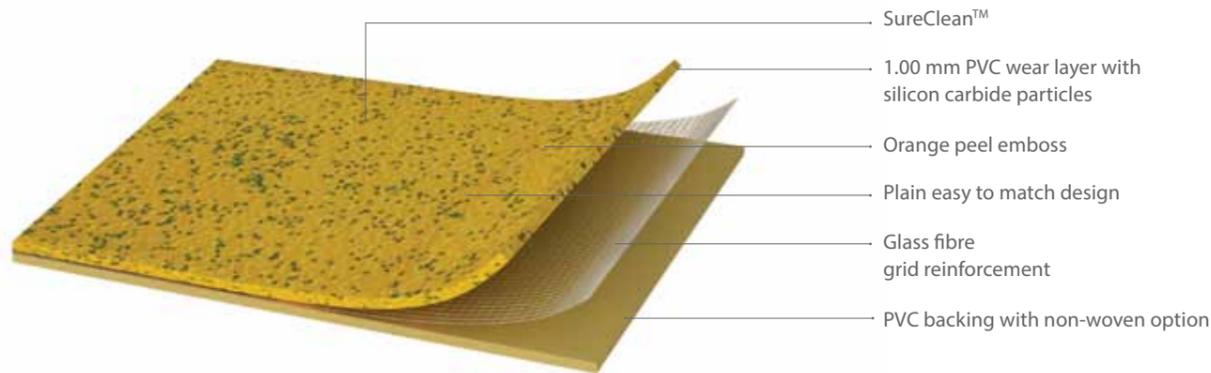
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Canopus Plus® product overview

Group T | SureClean™ | R11



Canopus Plus® is an anti-slip flexible vinyl floorcovering 2.00 mm thick with silicon carbide particles for a decorative effect and R11 slip resistant properties. The product has a 1.00 mm wear layer and is reinforced with a glass fibre grid for better dimensional stability.



The SureClean™ surface treatment replaces wax and polish after installation without reducing the anti-slip properties of the flooring and provides a high level of chemical resistance and ease of maintenance.



Canopus Plus® is antifungal and antibacterial, complies with the EN 649 norm (34 - 43) and has a group T wear rating.



Canopus Plus® is suitable for transport applications in buses, trains, ships and airplanes. It is also applicable for non-slip performance in most commercial and industrial areas. It is the ideal solution for heavy traffic applications where enhanced slip resistance, durability, hygiene and aesthetic beauty are required.



Canopus Plus® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).



Applications

- Transport: buses, coaches, trains, subways, boats
- Airports, train and ferry terminals
- Ramps and sloped corridor access
- Lift areas and entrances
- Kitchens or wet areas in healthcare, leisure, or education establishments
- Industrial locations

Special Features

- SureClean™ process
- No wax no polish
- High anti-slip rating
- Heavy-duty endurance
- Silicone carbide particles
- VOC compliant

technical specifications

Canopus Plus®

Characteristics	Standards	Units	Canopus Plus®
Description			Safety and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	34 - 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic
Special treatment			Anti-slip surface with silicon carbide granules. SureClean™
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
Weight	EN 430	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 11
	BS 7976-2 (pendulum method)		Low slip potential
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	5
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (non detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



Available in 1, 1.5, 2.5 and 3mm thickness to special order
The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

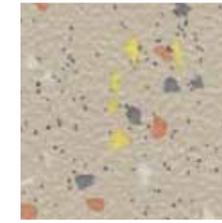
*NA - Not applicable

Get a Grip.

Safe, reliable, and attractive, Canopus® is a perennial choice for specifiers. With its orange peel emboss and carborundum construction, Canopus® is widely used in railways, buses, and contract applications. With an R11 slip rating, Canopus® sets the gold standard for safety products.

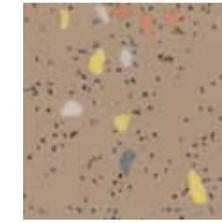
shades

Canopus®



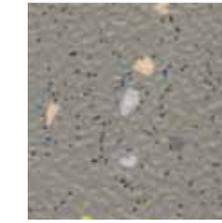
Flax

5329-501-4



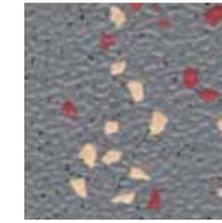
Sandstorm

5329-509-4



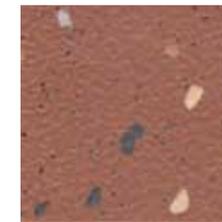
Washed Steps

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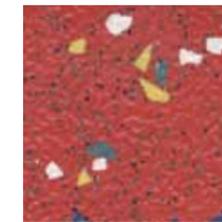
Flipper

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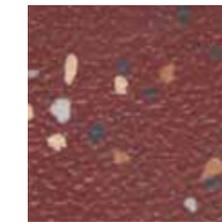
Rich Tan

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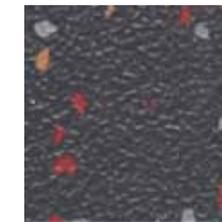
Volcano

5329-524-4



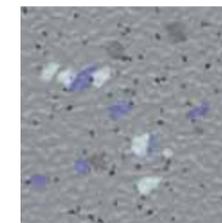
Coral Rocks

5329-508-4



Bravo

5329-525-4



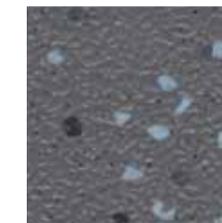
December Frost

5329-505-4



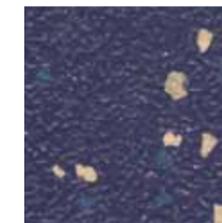
Weathered Stone

5329-517-4



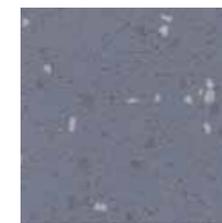
Dense Fog

5329-528-4



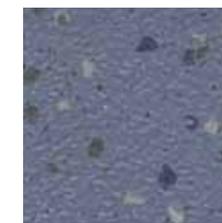
Blue Clover

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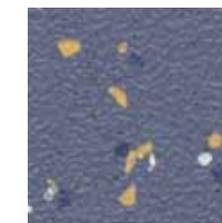
Grey Wash

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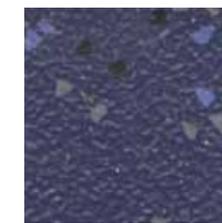
Cornflower Blue

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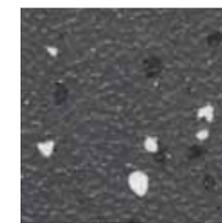
River Silt

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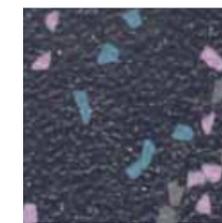
Dynamic

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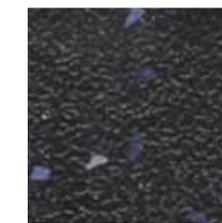
Cool Gray

5329-529-4



Stormy Sea

5329-523-4



Zephyr Black

5329-526-4

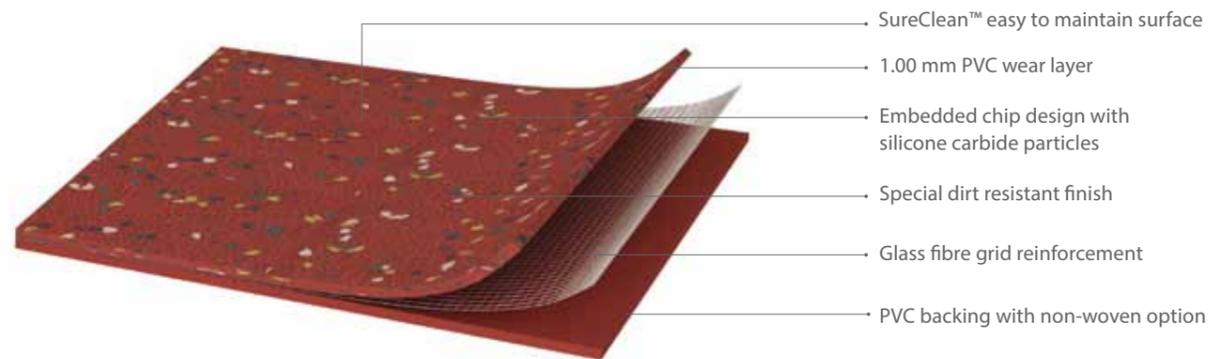
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Canopus® product overview

Group T | SureClean™ | R11



Canopus® is an anti-slip flexible floorcovering, 2.00 mm thick with silicon carbide crystals and coloured chips for a decorative design combined with R11 slip resistant properties. The product has a wear layer of 1.00 mm and is reinforced with a glass fibre grid for extra dimensional stability.



The SureClean™ surface treatment replaces wax and polish after installation without reducing the anti-slip properties of the flooring and this provides high ease of maintenance.



Canopus® is antifungal and anti-bacterial, complies with the EN 649 norm (34 - 43) and has a group T wear rating.



Canopus® is suitable for transport applications such as buses, trains, ships and airplanes. It is also applicable for non-slip performance in most commercial and industrial areas. It is the ideal solution for heavy traffic applications where enhanced slip resistance, durability, hygiene and aesthetic beauty are required.



Applications

- Transport: buses, coaches, trains, subways, boats
- Airports, train and ferry terminals
- Ramps and sloped corridor access
- Lift areas and entrances
- Kitchens or wet areas in healthcare leisure, or education establishments
- Industrial locations



Special Features

- SureClean™ surface treatment
- No wax no polish
- High anti-slip rating
- Heavy-duty endurance
- Silicone carbide particles
- VOC compliant



Canopus® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

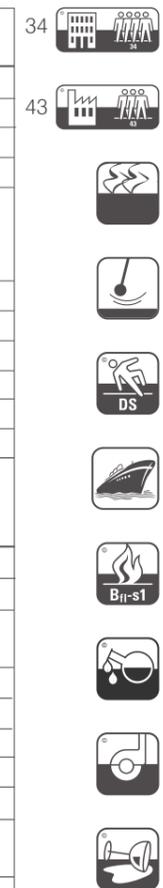
Canopus®

Characteristics	Standards	Units	Canopus®
Description			Safety and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	34 - 43
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic
Special treatment			Anti-slip surface with silicon carbide granules. SureClean™
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
Weight	EN 430	g/m ²	3400
		m (width)	2
Sheet size	EN 426	m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
		Group	T
		Volume loss mm ³	< 2
Abrasion resistance	EN 660 -2	g	< 0.40
	ASTM D3389 (Weight loss / 1000 cycles)		
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 11
	BS 7976-2 (pendulum method)		Low slip potential
Dimensional stability	EN 13893	Coefficient of friction	DS (> 0.30)
	ASTM D2047		Pass (0.70 avg)
Flexibility	EN 434	%	≤ 0.40
Castor chair test	EN 435	mm	< 20
Sound insulation	ASTM F137		Pass
Reaction to fire	EN 425	Type of use	Continuous
	EN ISO 717-2	$\Delta L_w = \text{dB}$	5
Static electrical propensity	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
Electrical resistance	ASTM E648-06	Type	1
Thermal resistance	EN 1815	kV	< 2.0
	EN 1081	Ω	<10 ¹⁰
Smoke density	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Colour fastness to light	ASTM E 662-05	Dm	< 450
Walking resonance	EN ISO 105 - B02	Degrees	≥ 6
Stain & chemical resistance	NF XPS 31 074	dB	4
	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
Fungi & bacteria resistance	ASTM F925		Pass
	(E1) PCP	%	< 0.1 (non detected)
	ASTM G - 21		Does not favour growth
Clean rooms	ASTM D3273		Pass
	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121

Available in 1, 1.5, 2.5, 3mm thickness to special order

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

*NA - Not applicable



Canopus Crompton®

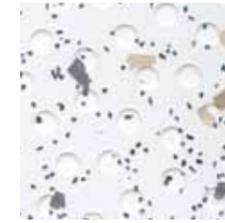
Toe the line.

Made for barefoot and wet areas, Canopus Crompton® is a safety product designed for the urban landscape. With its invigorating colours, Canopus Crompton® is perfectly suited for applications such as locker rooms, showers, gymnasiums and wet areas where human safety is an issue.



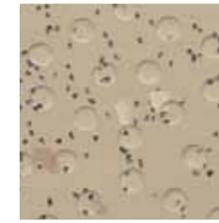
shades

Canopus Crompton®



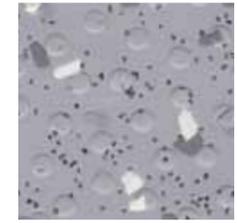
Confetti

5329-753-4



Brown Points

5329-754-4



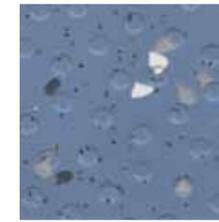
On The Rocks

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Sky

5329-752-4



Marine

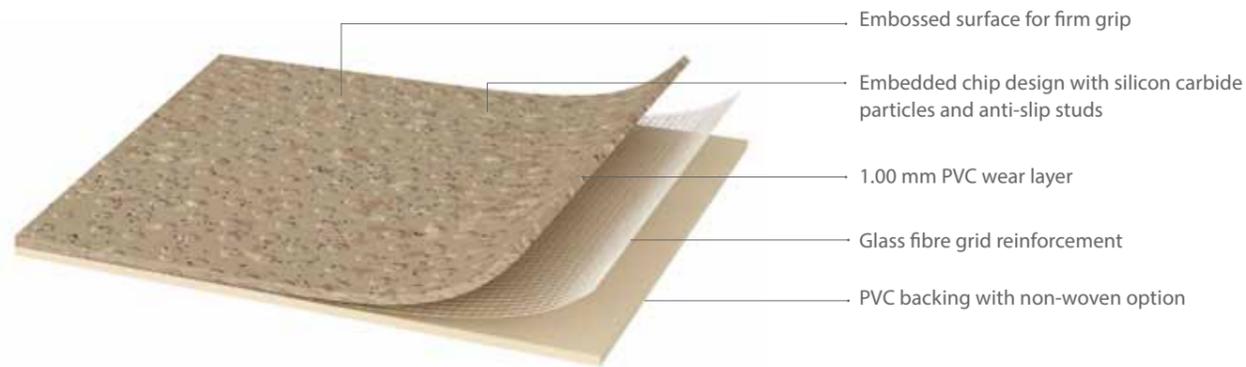
5329-755-4

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Canopus Crompton® product overview

Super Anti-Slip | R12



Canopus Crompton® is a slip resistant flexible floorcovering 2.00 mm thick with silicon carbide crystals and cherry confetti patterns with a R12 slip rating. The product has a 1.00 mm wear layer and is reinforced with a glass fibre grid for optimum dimensional stability.

The advanced surface finish replaces wax and polish after installation without reducing the anti-slip properties of the flooring and providing ease of maintenance and a high level of chemical resistance, notably to soaps or detergents.

Canopus Crompton® is antifungal and antibacterial, complies with the EN 649 norm (34 / 43) and has a group T wear rating.

It is the required solution for most barefoot wet areas and anti-slip commercial areas. It is the solution for all areas where enhanced slip resistance, durability, hygiene and easy maintenance are required.

Applications

- Wet areas
- Shower and bathroom areas.
- Locker rooms
- Lift areas and entrances
- Ramp and sloped corridor access
- Food preparation areas
- Retirement homes

Special Features

- Harmonious colour range
- No wax no polish
- Excellent anti-slip rating
- Heavy-duty endurance
- Silicone carbide particles
- VOC compliant



Canopus Crompton® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

Canopus Crompton®

Characteristics	Standards	Units	Canopus Crompton
Description			Wet room and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	34 / 43
	BS EN 649 : 2011	Group	T
Usage			Wet areas / Barefoot
Special treatment			Anti-slip surface with silicon carbide granules.
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
Weight	EN 430	g/m ²	3200
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610
Abrasion resistance	EN 660 -2	Group	T
	EN 660 -2	Volume loss mm ³	< 2
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 12
	BS 7976-2 (pendulum method)		Low slip potential
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435 ASTM F137	mm	< 20 Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	5
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	NA
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074		NA
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	NA
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	NA
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121

Available in 3mm thickness to special order

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

*NA - Not applicable

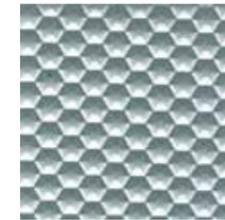




Colour me embossed.

With nine different embosses in seven available colours, Regor® has many avatars. Easy to install, easy to clean, and good anti-slip properties make Regor® an adaptable solution for everyday safety applications.

shades



Silver

7949-208-4
Diamond



Silver

7949-207-4
Single Checkered



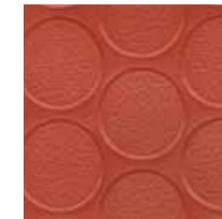
Light Grey

7949-205-4
Multi Checkered



Dark Grey

7949-202-4
Small Button



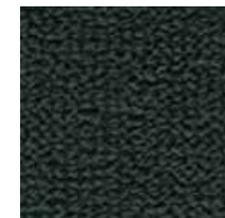
Teracotta

7949-206-4
Medium Button



S. Blue

7949-204-4
Big Button



Black

7949-203-4
Carpet



Black

7949-209-4
Dots



Black

7949-201-4
Strips

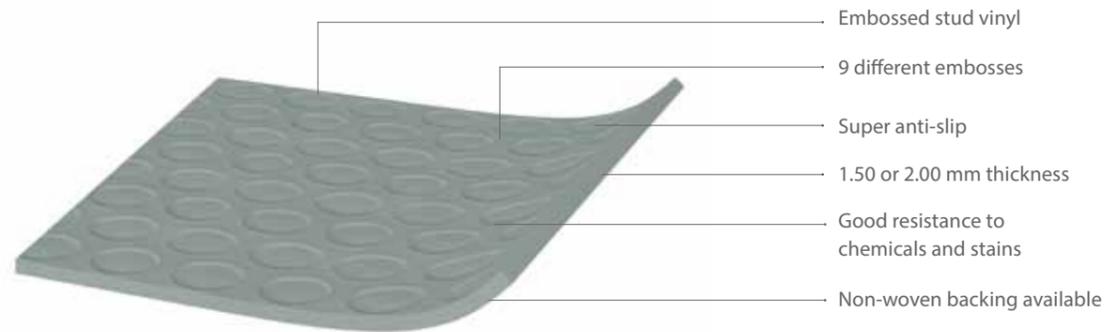
All colours are available in all embosses

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Regor® product overview

Super Anti-Slip R12



Regor® is a slip resistant flexible vinyl floor covering available in 1.50 and 2.00 mm thicknesses, with a special R12 slip resistant embossing which confers excellent safety properties.



Regor® complies with the EN 649 norm (34 / 43) and is suitable for transport and most commercial and industrial areas. It is an adapted solution for medium traffic applications where enhanced slip resistance, durability, hygiene and easy maintenance are required.



Applications

- Ramps and sloped corridor access
- Lift areas and entrances
- Kitchen areas or wet areas in hospitals, schools, leisure centres, holiday camps, and industries
- Garages and workshops
- Delivery and preparation areas
- Construction site offices
- Storage rooms
- Locker rooms

Special Features

- Low cost easy maintenance
- Excellent anti-slip rating
- Tough and durable
- Ideal colour for industrial usage
- VOC compliant



Regor® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m3) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

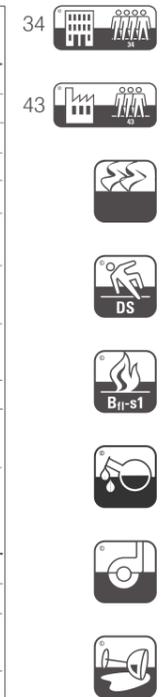
Regor®

Characteristics	Standards	Units	Regor®
Description			Safety and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	1.50 : 33 - 42 / 2.00 : 34 / 43
	BS EN 649 : 2011	Group	P
Usage			Medium to heavy foot traffic
Special treatment			Easy maintenance
Overall thickness	EN 428	mm	1.50
			2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.50
			2.00
Weight	EN 430	g/m ²	1.50 mm : 2750
			2.00 mm : 3500
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300
			500 x 500
			610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm ³	< 4
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	~ 0.04 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 12
	BS 7976-2 (pendulum method)		Low slip potential
	EN 13893	Coefficient of friction	DS (> 0.30)
	ASTM D2047		Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	Δ Lw = dB	4
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	10 ¹⁰
Thermal resistance	ISO 8302 (EN 12664)	kW/m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074		NA
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
	(E1) PCP	%	NA
Fungi & bacteria resistance	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
			Pass
Clean rooms	ASTM F51/68	Class	NA
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2 (Surface Flammability / Heat Release)
	US Coast Guard Approved		
	Marine Equipment Directive		1121

1, 1.5, 2.5 and 3mm thicknesses available on special order.

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

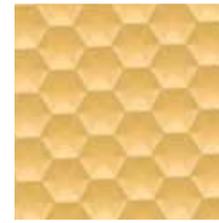


Honeycomb Look!

Inspired from the hexagonal pattern of Honeycomb, Duster® has 12 fresh colors which offers nature's unique look on floors. Low cost easy maintenance and good anti slip rating makes Duster an ideal choice for Industrial applications.

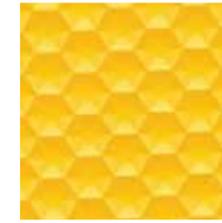
shades

Duster®



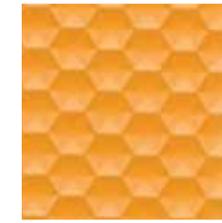
Honeycomb

9002



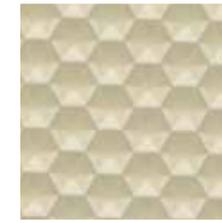
Lemon Meringue

9003



Ripe Apricot

9004



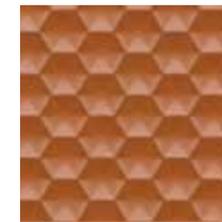
Light Coffee

9001



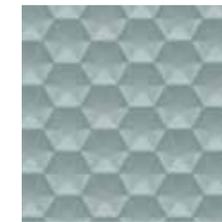
Soft Caramel

9005



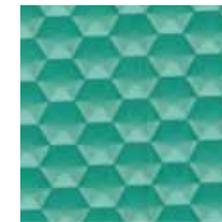
Mud Bath

9009



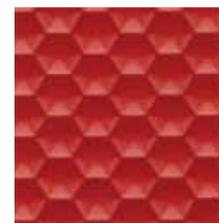
Medium Grey

9006



Dull Forest

9008



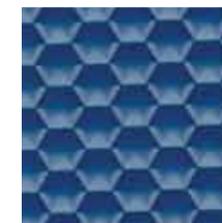
Deep Cherry

9010



Bluejay

9007



Dark Blue

9011



Black

9012

All colours are available in all embosses

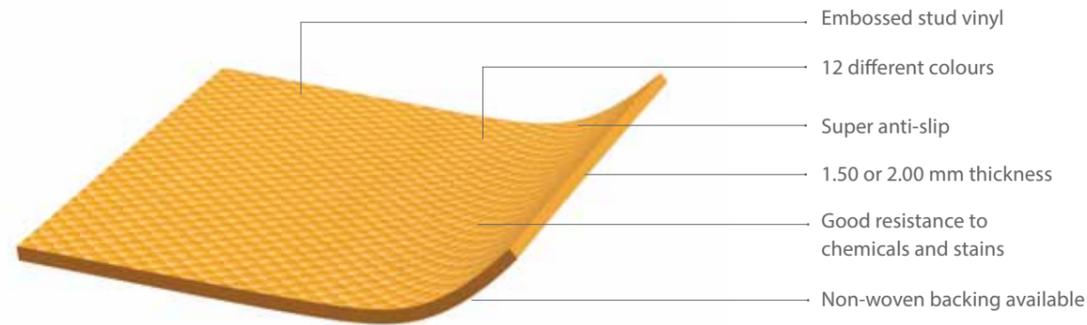
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Duster® product overview

Super Anti-Slip R12



Duster® is a slip resistant flexible vinyl floor covering available in 1.50 and 2.00 mm thicknesses, with a special R12 slip resistant embossing which confers excellent safety properties.



Duster® complies with the EN 649 norm (34 / 43) and is suitable for transport and most commercial and industrial areas. It is an adapted solution for medium traffic applications where enhanced slip resistance, durability, hygiene and easy maintenance are required.



Applications

- Ramps and sloped corridor access
- Lift areas and entrances
- Kitchen areas or wet areas in hospitals, schools, leisure centres, holiday camps, and industries
- Garages and workshops
- Delivery and preparation areas
- Construction site offices
- Storage rooms
- Locker rooms



Special Features

- Low cost easy maintenance
- Excellent anti-slip rating
- Tough and durable
- Ideal colour for industrial usage
- VOC compliant

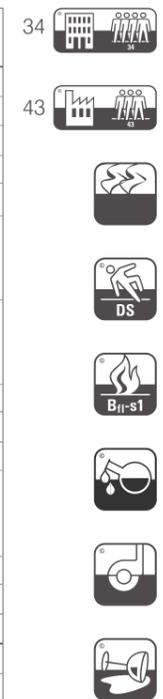


Duster® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

Duster®

Characteristics	Standards	Units	Duster®
Description			Safety and anti-slip vinyl
General performance	BS EN ISO 10874: 2012	Class	1.50 : 33 - 42 / 2.00 : 34 / 43
	BS EN 649 : 2011	Group	P
Usage			Medium to heavy foot traffic
Special treatment			Easy maintenance
Overall thickness	EN 428	mm	1.00
			1.50
			2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.00
			1.50
			2.00
Weight	EN 430	g/m ²	1.00 mm : 2000
			1.50 mm : 2750
			2.00 mm : 3500
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m ² (surface area)	30 / 40
Tile size	EN 427	mm x mm	300 x 300
			500 x 500
			610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm ³	< 4
	ASTM D3389	g	< 0.40
	(Weight loss / 1000 cycles)		
Residual indentation	EN 433	mm	~ 0.04 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 12
	BS 7976-2 (pendulum method)		Low slip potential
	EN 13893	Coefficient	DS (> 0.30)
	ASTM D2047	of friction	Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	4
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	10^{10}
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00568
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074		NA
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
	(E1) PCP	%	NA
Fungi & bacteria resistance	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	NA
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



1, 1.5, 2.5 and 3mm thicknesses available on special order. *NA - Not applicable. The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Acousto 340 / 380®

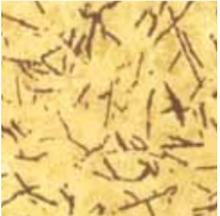
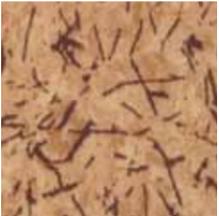
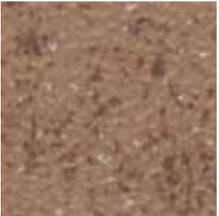
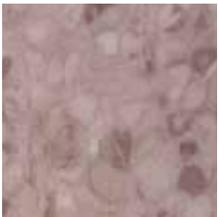


Acoustic Foam Backed

Walk on air.
 Acousto® is designed to reduce stress by creating noise-free, attractive, and comfortable environments where the human experience takes precedence. In addition to superior sound insulation properties, Acousto® has tough abrasion and stain resistant properties and is designed for use in heavy foot traffic applications such as corridors, classrooms and receptions.

shades

Acousto 340 / 380®

 AC-343	 AC-551	 AC-341	 AC-555
 AC-764	 AC-565	 AC-766	 AC-566
 AC-447	 AC-556	 AC-448	 AC-344
 AC-559	 AC-342	 AC-445	 AC-767

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.





Acousto 340 / 380® shades



Snow Flake

AC - 345



Misty Grey

AC - 441



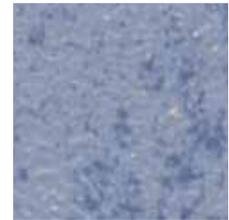
Blue Dust

AC - 349



Blue Form

AC - 350



Blue Flake

AC - 443



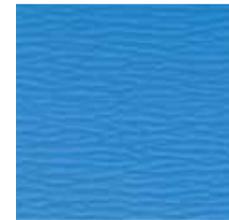
Blue Flake

AC - 561



Midnight Blue

AC - 444



Blue

AC - 765



Green Fern

AC - 347



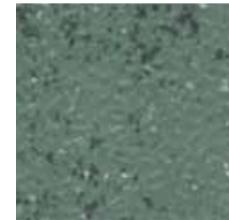
Green

AC - 763



Ripples

2349 - 768



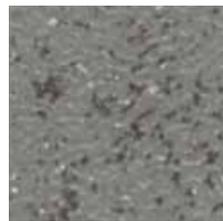
Rocky Pool

AC - 446



Grey Slate

AC - 348



Muddy Grey

AC - 442



Dark Night

AC - 346



Black Slate

AC - 562



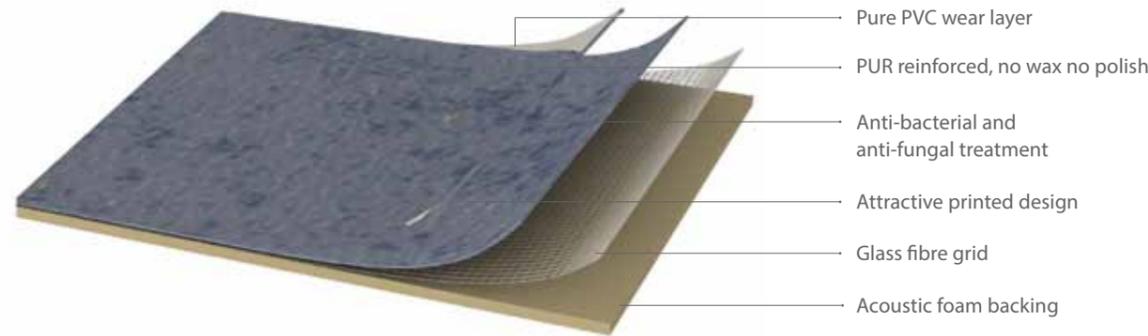
ACOUSTIC VINYL

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Acousto 340 / 380® product overview

PUR | R10 | 19 dB



Acousto® 340 is an acoustic comfort vinyl floor covering in a total thickness of 3.40mm with a 0.6mm transparent wear layer. Acousto 340 has Responsive's proprietary foam backing with underfoot comfort and sound insulation properties at 17dB reduction

Acousto® 380 is an acoustic comfort vinyl floor covering in a total thickness of 3.80mm with a 0.7mm transparent wear layer. Acousto 380 has Responsive's proprietary foam backing with underfoot comfort and sound insulation properties at 19dB reduction.

The design is obtained from a printed film in three all-over patterns; the transparent wear layer protects the design and the product is stabilized with a glass fibre grid and PVC backing

The surface of the product is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression.

Acousto® 340 / 380 complies with the EN 649 norm (34-42), has a group T abrasion rating, is anti bacterial and anti-fungal throughout its entire wear layer thickness. It is an ideal solution for medium to heavy traffic applications where design, durability, hygiene and easy maintenance are required.

Acousto® 340 / 380 are VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH /EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

Applications

- Class rooms
- Corridors
- Hotels
- Old age homes
- Residential community
- Play areas
- Auditoriums
- Meeting rooms

Special Features

- Super sound insulation
- PUR extra clean
- Increased underfoot comfort
- No wax, no polish
- 3 printed all over designs in a wide range of shades
- Pure PVC transparent wear layer
- VOC compliant

technical specifications

Acousto 340 / 380®

Characteristics	Standards	Units	Acousto® 340	Acousto® 380
Description	EN 651		Comfort acoustic flooring	
General performance	BS EN ISO 10874: 2012	Class	34 - 42	
	BS EN 649 : 2011	Group	T	
Usage			Medium to heavy foot traffic	
Special treatment			PUR : no wax no polish	
Overall thickness	EN 428	mm	3.40	3.80
Thickness of wear layer	EN 429, ASTM F410	mm	0.60	0.70
Weight	EN 430	g/m ²	2900	2975
Sheet size	EN 426	m (width)	2	
		m (length)	15 / 20	
		m ² (surface area)	30 / 40	
Tile size	EN 427	mm x mm	300 x 300	
			500 x 500	
			610 x 610	
Abrasion resistance	EN 660 -2	Group	T	
	EN 660 -2	Volume loss mm ³	< 2	
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40	
Residual indentation	EN 433	Standard	≤ 0.20	
		Measure	0.11 0.13	
	ASTM F970 (static load)	psi	800	
Slip resistance	DIN 51130		R 10	
	BS 7976-2 (pendulum method)		NA	
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)	
Dimensional stability	EN 434	%	≤ 0.40	
Flexibility	EN 435	mm	< 20	
	ASTM F137		Pass	
Castor chair test	EN 425	Type of use	Continuous	
Sound insulation	EN ISO 717-2	Δ Lw = dB	17	19
	EN ISO 9239-1: 2010	kW/m ²	≥ 8	
Reaction to fire	EN ISO 11925-2: 2010		Pass	
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1	
	ASTM E648-06	Type	1	
Static electrical propensity	EN 1815	kV	< 2.0	
Electrical resistance	EN 1081	Ω	< 10 ¹⁰ (Antistatic)	
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00752	
	ASTM 1514		Pass	
Smoke density	ASTM E 662-05	Dm	< 450	
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6	
Walking resonance	NF XPS 31 074	dB	12	13
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)	
	ASTM F925		Pass	
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)	
	ASTM G - 21		Does not favour growth	
	ASTM D3273		Pass	
Clean rooms	ASTM F51/68	Class	A, non shedding	

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Ultimate Comfort.

A range from our acoustic vinyl offerings, Endura® is a popular choice for household areas. It comes in Glossy and Matt surface finishes with a variety of wood finishes that can enhance a room's decor to suit your taste. If you have a home with kids and pets where sound levels need to be managed then Endura is the perfect product for you. Its underfoot comfort with foam backing absorbs sounds well and reduces the noise in the house.

shades

Endura®



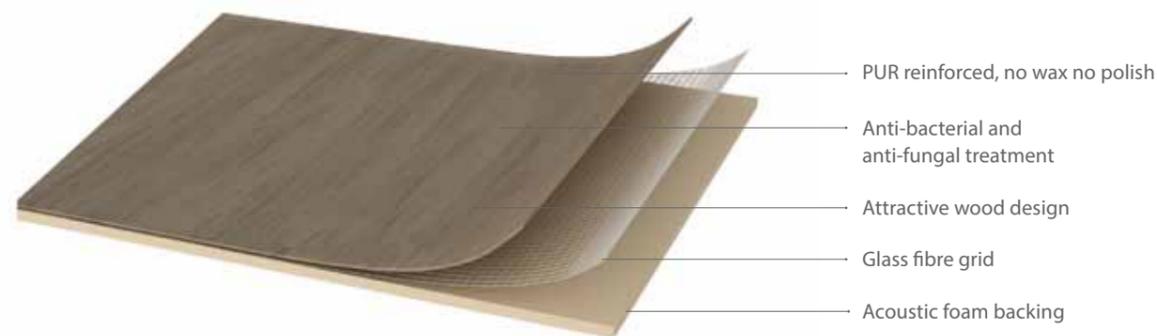
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.



Endura® product overview

PUR | R10 | 15 dB



Endura® Impress is an acoustic comfort vinyl floor covering in a total thickness of 1.5 mm. Endura® Impress has Responsive's proprietary foam backing with underfoot comfort and sound insulation properties at 9dB reduction.



Endura® Super is an acoustic comfort vinyl floor covering in a total thickness of 2.00mm. Endura® Super has Responsive's proprietary foam backing with underfoot comfort and sound insulation properties at 15dB reduction.



The surface of the product is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression.



Acousto® 340 / 380 complies with the EN 649 norm (23-31), has a group T abrasion rating, is anti bacterial and anti-fungal throughout its entire wear layer thickness. It is an ideal solution for medium to heavy traffic applications where design, durability, hygiene and easy maintenance are required.

Applications

- Residential
- Shops, showrooms
- Offices
- Restaurants, bars & lounges
- Modular homes / Structures

Special Features

- Super sound insulation
- PUR extra clean
- Increased underfoot comfort
- No wax no polish
- Pure PVC transparent wear layer



Endura® are VOC ($\leq 1/2$ Chronic REL) and form aldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH /EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

technical specifications

Endura®

Characteristics	Standards	Units	Endura®
Description			Comfort Acoustic vinyl
General performance	BS EN ISO 10874: 2012	Class	23 - 31
	BS EN 649 : 2011	Group	T
Usage			Semi-commercial / medium use
Special treatment			Easy maintenance PUR treatment
Overall thickness	EN 428	mm	2.00 2.50
Thickness of wear layer	EN 429, ASTM F410	mm	0.20 0.30
Weight	EN 430	g/m ²	2200 2500
Sheet size	EN 426	m (width)	2
		m (length)	15
		m ² (surface area)	30
Abasion resistance	EN 66-2	Group	T
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	15 17
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2 : 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
	ISO 8302 (EN 12664)	k/W m ²	< 0.00752
Thermal resistance	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP		NA
	ASTM G - 21	%	Does not favour growth
	ASTM D3273		NA

*NA - Not applicable

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



A real knock out.
 Polaris® is the technical solution for any sports facility with firm underfoot comfort and energetic colours that will bring life to any game. With an elevated underfoot comfort, it is the ideal solution for professional sports, multi-purpose halls, gymnasiums, kindergartens and applications where athletic performance, safety, energy absorption, noise reduction, design, and durability are essentials.



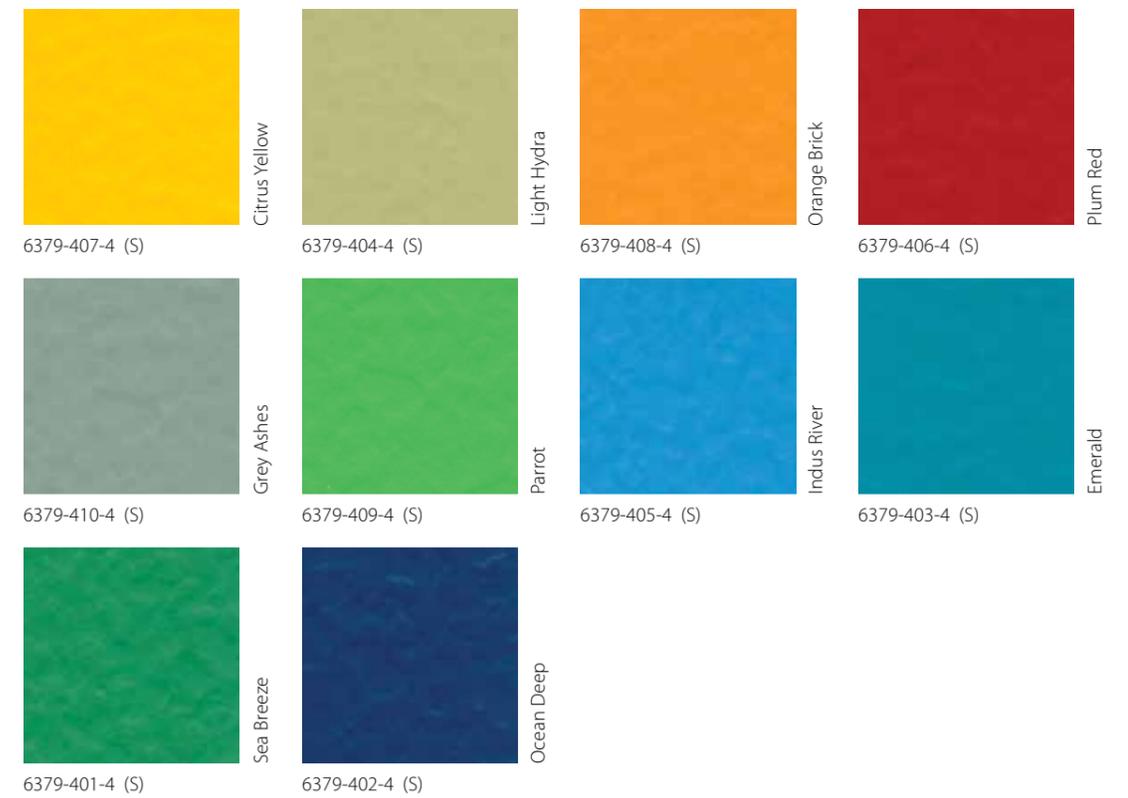
Wood Emboss



7379-143-4 (W) Cedar Wood 7379-144-4 (W) Almond 7379-142-4 (W) Walnut 7379-141-4 (W) Fig Wood

Polaris Punch®

Shallow Emboss



6379-407-4 (S) Citrus Yellow 6379-404-4 (S) Light Hydra 6379-408-4 (S) Orange Brick 6379-406-4 (S) Plum Red
 6379-410-4 (S) Grey Ashes 6379-409-4 (S) Parrot 6379-405-4 (S) Indus River 6379-403-4 (S) Emerald
 6379-401-4 (S) Sea Breeze 6379-402-4 (S) Ocean Deep

Polaris Footwork®

Embosses

Thicknesses available are 4.5 mm, 6.5 mm & 8.0 mm

- | | |
|--|--|
|  <p>NET EMBOSS</p> <ul style="list-style-type: none"> • Homogenous wear layer • Low heat generating surface • Reduced frictional burns • Good grip • 10 colours available |  <p>SHALLOW EMBOSS</p> <ul style="list-style-type: none"> • Homogenous wear layer • Low heat generating surface • Reduced frictional burns • Good grip • 10 colours available |
|  <p>DEEP EMBOSS</p> <ul style="list-style-type: none"> • Homogenous wear layer • High grip for firm footing • Reduced slide • Lesser slip injuries • 10 colours available |  <p>WOOD TEXTURED EMBOSS</p> <ul style="list-style-type: none"> • Clear pvc wear layer • Low heat generating surface • Reduced frictional burns • Excellent ball bounce • 4 colours available |

Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Polaris® sport advantages



Vertical Deformation

No permanent indentation over time. Guaranteed consistent performance.



Shock Absorption

High comfort and safety for knees and joints for athletes.



Sliding Coefficient

Superior grip for quick turns, bursts of speed and change in direction.



Underfoot Comfort

To protect athlete feet, and prevent injuries



Ball Bounce Consistency

Even reliable ball bounce with degradation in performance over time.

Polaris® product features

Applications

- Leisure centres
- Sports centres
- Retirement homes
- Health institutions
- Fitness rooms
- Physiotherapy units
- Schools activity rooms
- Multi-purpose halls
- Storage & service areas
- Volley ball courts
- Basketball courts
- Table-tennis rooms

Special Features

- Bright & cheerful colours
- Wood designs available
- Extra easy maintenance
- PUR extra clean
- No wax, no polish
- VOC compliant

Advantages & benefits

- Rough & tumble sports floor
- Dive, jump, stop and change direction securely
- Consistent thickness of foam for high performance and great underfoot comfort
- Closed-cell foam, excellent ratio of shock absorption to thickness of product
- Anti-bacterial and anti-fungal treatment throughout the product
- Homogenous wear layer provides lifelong durability and resistance to wear and tear
- Glass fiber grid gives excellent dimensional stability

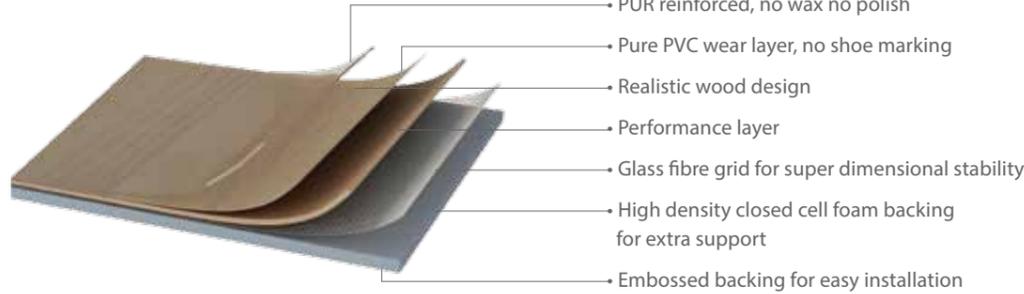


Polaris® product overview

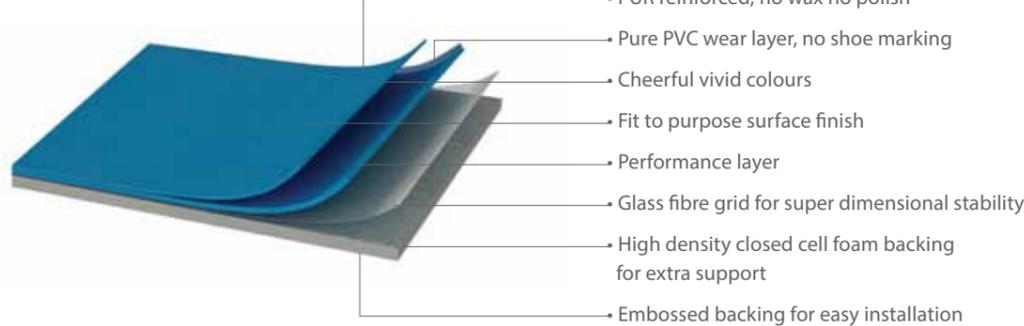
Group T | PUR | 19 dB



Polaris Punch®



Polaris Footwork®



Technical description

Polaris® is a multi layered vinyl sports floorcovering, available in sheets 1.5 m wide with a compact closed cell foam backing, glass fibre reinforcement, vinyl performance layer, embossed PVC wear layer, and printed wood design protected by a transparent wood grain embossed wear layer. It has superior dimensional stability and enhanced indentation ratings. Rapid restoration of the foam layers gives the flooring extremely good sports performances.

The surface of the product is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression.

With an elevated underfoot comfort, it is the ideal solution for professional sports, multi-purpose halls, gymnasiums, kindergartens and other applications where athletic performance, safety, energy absorption, noise reduction, design, and durability are required. Polaris® complies with the EN 649 norm.

technical specifications

Polaris®

Characteristics	Standards	Units	Polaris®
Description			Sports flooring
General performance	BS EN 14 904 : 2009	Property	Friction
			Shock Absorption
			Vertical Deformation
			Resistance to rolling load
			Vertical ball behaviour
Special treatment			PUR : no wax no polish
			SureClean™
			Glass fibre grid reinforcement
			High density compact foam
Overall thickness	EN 428	mm	4.50 6.50 8.00
Weight	EN 430	g/m ²	3100 4200 5200
Sheet size	EN 426	m(width)	1.5 1.5 1.5
		m (length)	15 10 10
		m ² (surface area)	22.5 15 15
Thickness of wear layer	EN 429, ASTM F410	mm	0.50 (Polaris Punch)
			1.50 (Polaris Footwork)
Technical Characteristics			
Friction	BS EN 14 904	-	89 (Pass)
Shock absorption		Annex B of BS	P2 (Pass)
Vertical deformation		En 14904	P2 (Pass)
Vertical ball behaviour		%	98 (Pass)
Resistance to rolling load		mm	0 (Pass)
Resistance to wear		mg	241 (Pass)
Specular reflectance		%	42
Specular gloss		%	17 (Pass)
Resistance to indentation		mm	0.23 (Pass)
Classification			
Fire	EN 13501-1: 2007+A1: 2009	-	Cfl - S1
Special treatment			PUR, SureClean™

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Polaris® is VOC (≤ 1/2 Chronic REL) and formaldehyde compliant (≤ 9.0 µg/m³) according to the CDPH/EHLB/ Standard, Method V1.1-2010 (certificate 120316-01).



Embrace Nature.

Natural Wood® & Rose Wood® Vinyl Planks offer 20 shades which bring a welcoming look that is stylish and unique. It gives a natural touch to the decor when installed in residential, retail, restaurants and hotels. Natural Wood is highly suitable for rooms and corridors in hotels as it is easy to maintain and gives a refined and cosy feel of a beautifully kept home.

shades

Rose Wood®



RW - 701

Boxwood



RW - 702

Alder



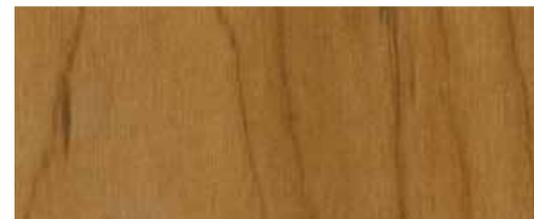
RW - 703

Canary Wood



RW - 704

Beech Wood



RW - 705

Cinnamon



RW - 706

African Walnut



RW - 707

Black Buck



RW - 708

Birch



RW - 709

Coal



RW - 710

Chestnut Dream



Natural Wood® shades



NW - 601 Silver Fir



NW - 602 Ebony



NW - 603 Pencil Cedar



NW - 604 Apple Cedar



NW - 605 Horn Bill



NW - 606 Pine Pitch



NW - 607 Sycamore Punch



NW - 608 Willow Bark



NW - 609 European Cherry



NW - 610 Blue Gum

Printed shades may appear slightly different from actual samples.



Natural Wood®

Natural Wood | Rose Wood® product overview

Group T | PUR | R10



- High anti-scratch wear layer 0.20 mm
- PUR reinforced, no wax no polish
- Printed design
- High density vinyl backing



Natural Wood® is a multi-layered vinyl wood plank, 1.50 mm thick.

Rose Wood® is a multi-layered vinyl wood plank, 2.00 mm thick.

The product comprises a vinyl back layer, a printed wood design that is protected by a transparent wood grain embossed wear layer.

Natural Wood® | Rose Wood® has anti-static properties, Group T abrasion rating and is anti bacterial and anti-fungal throughout its entire thickness. It is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression. It complies with the EN 649 norm (33-42).



Applications

- Bars and coffee shops
- Boutiques and stores
- Offices
- Lobbies and waiting areas
- Accommodation
- Leisure centre lounge areas

Special Features

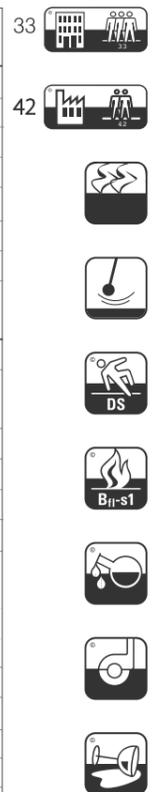
- PUR extra clean
- No wax, no polish
- Wonderful wood designs for natural beauty
- Pure PVC transparent wear layer

technical specifications

Natural Wood | Rose Wood®

Characteristics	Standards	Units	Natural Wood® Rose Wood®
Description			Vinyl wood planks
General performance	BS EN ISO 10874: 2012	Class	33 - 42
	BS EN 649 : 2011	Group	T
Usage			Heavy foot traffic
Special treatment			PUR
Overall thickness	EN 428	mm	1.50 2.00
Thickness of wear layer	EN 429, ASTM F410	mm	0.20
Weight	EN 430	g/m ²	2700 3400
Tile size	EN 427	inch x inch	6 x 36
Abrasion resistance	EN 660 -2	Group	T
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40
Residual indentation	EN 433	mm	< 0.01
	ASTM F970 (static load)	psi	Pass
	ASTM F1914	inches	Pass
Slip resistance	DIN 51130		R 10
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1: 2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	< 10 ¹⁰
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00752
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (non detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Does not favour growth

Available in 1, 1.5, 2.5, 3mm thickness to special order *NA - Not applicable
The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Find nature's envy.

With colours, shades and patterns inspired by the elements, Wood Essence® is the architect's tool to create inspired natural spaces. Also, Wood Essence® conforms to strict environmental standards and is an ideal green solution for commercial interiors.

shades

Wood Essence 180 / 200®



American Sweet Pea

9275-808-4



Apple Cedar

9275-802-4



Indian Classic

9275-803-4



Pelicano

9275-807-4



Seal Brown

9275-809-4



Rusty Brown

9275-810-4



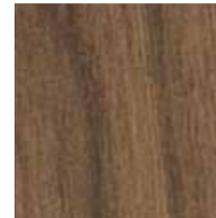
Burnt Amber

9275-805-4



Chestnut Stripe

9275-812-4



Polar Bear

9275-813-4



Black Eye Bean

9275-814-4

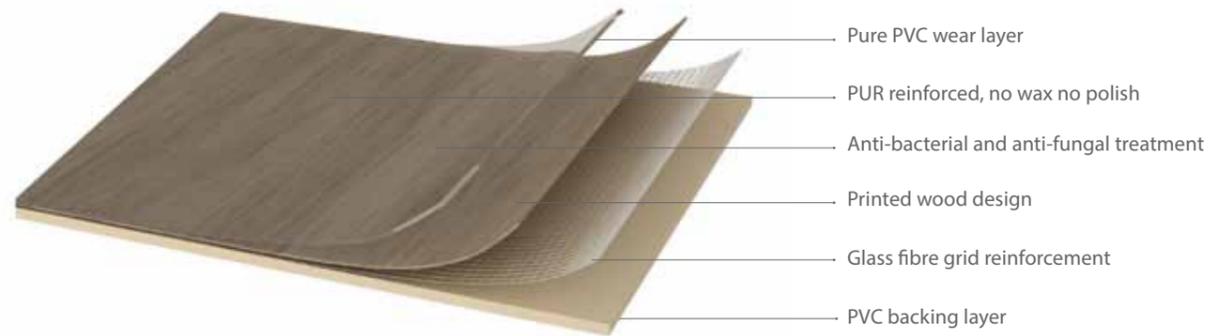


Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Wood Essence 180 / 200® product overview

Group T | PUR | R10



Wood Essence 180® is a multi-layered vinyl floorcovering, 1.80 mm thick with a 0.30 mm wear layer and available in 2.00 m wide sheets.

Wood Essence 200® is a multi-layered vinyl floorcovering, 2.00 mm thick with a 0.70 mm wear layer and available in 2.00 m wide sheets.

The product comprises a compacted back layer, glass fibre reinforcement and a printed wood design that is protected by a transparent wood grain embossed wear layer.

Wood Essence 180 / 200® has Group T abrasion rating and is anti bacterial and anti-fungal throughout its entire thickness. It is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression. It complies with the EN 649 norm (34-43).

Wood Essence 180 / 200® is an ideal solution for heavy traffic applications where design, durability, hygiene and easy maintenance are required.

Wood Essence 180 / 200® is VOC ($\leq 1/2$ Chronic REL) and formaldehyde compliant ($\leq 9.0 \mu\text{g}/\text{m}^3$) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

Applications

- Bars and coffee shops
- Boutiques and stores
- Offices
- Lobbies and waiting areas
- Accommodation
- Leisure centre lounge areas

Special Features

- PUR extra clean
- No wax, no polish
- Wonderful wood designs for natural beauty
- Pure PVC transparent wear layer
- VOC compliant



technical specifications

Wood Essence 180 / 200®

Characteristics	Standards	Units	Wood Essence® 180	200
Description			Multi-layered heterogeneous vinyl	
General performance	BS EN ISO 10874: 2012	Class	34 / 43	
	BS EN 649 : 2011	Group	T	
Usage			heavy foot traffic	
Special treatment			PUR : no wax no polish Glass fibre grid reinforcement	
Overall thickness	EN 428	mm	1.80	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	0.30	0.70
Weight	EN 430	g/m ²	3100	3400
		m (width)	2	
Sheet size	EN 426	m (length)	15 / 20	
		m ² (surface area)	30 / 40	
		Tile size	EN 427	mm x mm
Abrasion resistance	EN 660 -2	Group	T	
	EN 660 -2	Volume loss mm ³	< 2	
	ASTM D3389 (Weight loss / 1000 cycles)	g	< 0.40	
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)	
	ASTM F970 (static load)	psi	800	
	ASTM F1914	inches	0.001	
Slip resistance	DIN 51130		R 10	
	AS / NZS 4586 (wet pendulum)	Class	X (medium slip potential)	
	EN 13893 ASTM D2047	Coefficient of friction	DS (> 0.30) Pass (0.70 avg)	
Dimensional stability	EN 434	%	≤ 0.40	
Flexibility	EN 435	mm	< 20	
	ASTM F137		Pass	
Castor chair test	EN 425	Type of use	Continuous	
Sound insulation	EN ISO 717-2	$\Delta L_w = \text{dB}$	4	
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8	
	EN ISO 11925-2: 2010		Pass	
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1	
	ASTM E648-06	Type	1	
Static electrical propensity	EN 1815	kV	< 2.0	
Electrical resistance	EN 1081	Ω	10^{10}	
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00752	
	ASTM 1514		Pass	
Smoke density	ASTM E 662-05	Dm	< 450	
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6	
Walking resonance	NF XPS 31 074		NA	
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)	
	ASTM F925		Pass	
Fungi & bacteria resistance	(E1) PCP	%	< 0.1 (none detected)	
	ASTM G - 21		Does not favour growth	
	ASTM D3273		Pass	
Clean rooms	ASTM F51/68	Class	NA	
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)	
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2	
	US Coast Guard Approved		(Surface Flammability / Heat Release)	
	Marine Equipment Directive		1121	

*NA - Not applicable

2.5 mm and 3mm thicknesses available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.



Gamma® 130 / 160

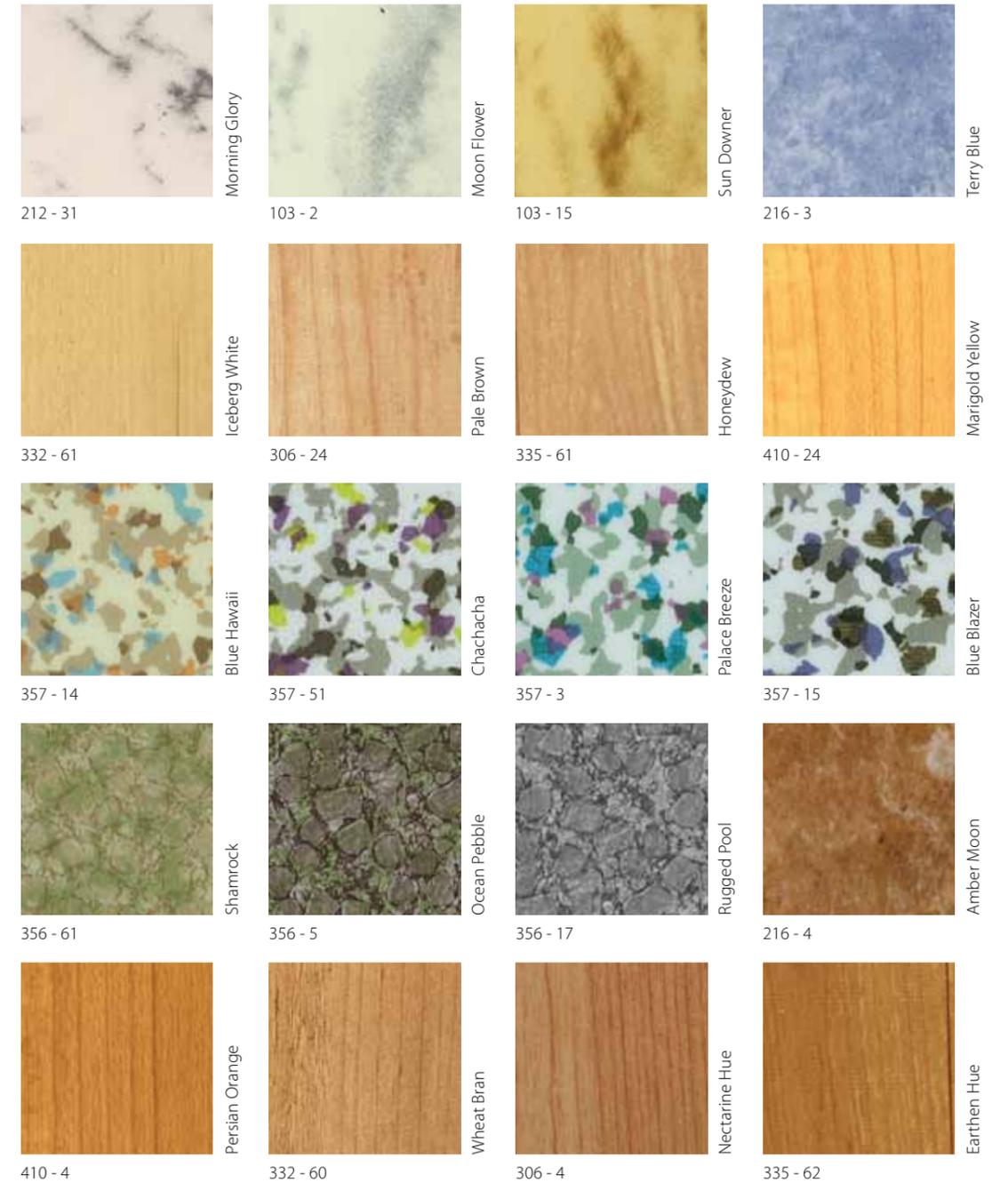
Durability and tradition, all in one.

A wide range of traditional and natural wood and stone designs with the durability that you deserve for intermediate traffic. Gamma® 130 and 160 are the perfect solution for applications where robustness, design and price are an issue.



shades

Gamma 130 / 160®



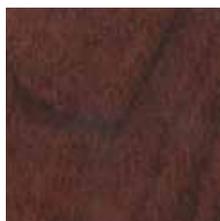
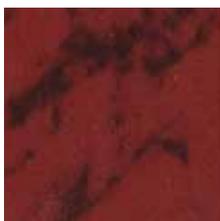
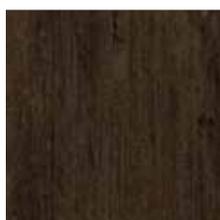
Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.





Gamma 130 / 160® shades

 335 - 60	Highball	 347 - 61	Apricot Hue	 417 - 61	Carrot Orange	 410 - 47	Lotus Breeze
 347 - 60	Goldeneye	 355 - 32	Moonwalk	 355 - 91	Planter's Punch	 355 - 35	Jungle Juice
 355 - 60	Copper Hue	 417 - 1	Silver Lace	 410 - 60	Sepia	 417 - 91	Blanco Ibis
 306 - 1	Tea Rose	 410 - 35	Vine Leaf	 410 - 62	Coral Bells	 212 - 10	Prim Rose
 332 - 35	Dark Prince	 347 - 58	Black Velvet				

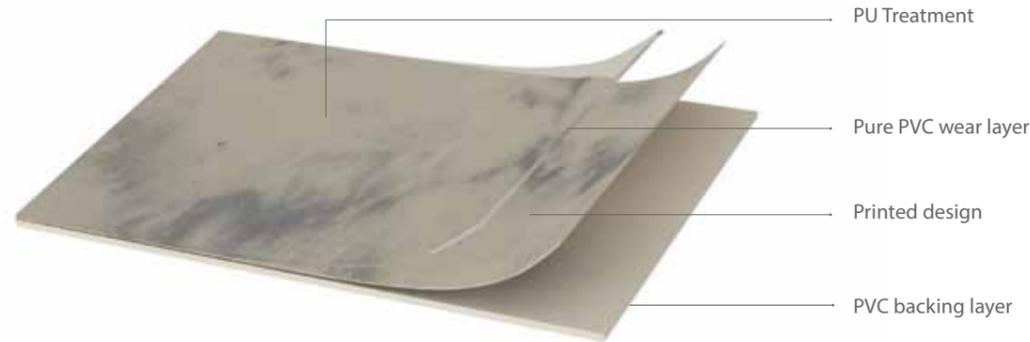


Matching welding rods are available for every colour.

Printed shades may appear slightly different from actual samples.

Gamma130 / 160® product overview

Group T | R10 | PU



Gamma® 130 is a multi-layered vinyl floorcovering, 1.30 mm thick with a 0.10 mm thick wear layer, available in sheets 2.00 m wide. The product comprises a compacted under layer reinforced with a glass fibre grid and a printed all-over design that is protected by a transparent wear layer.



Gamma® 130 is compact, heavy duty and durable. The flooring is anti-bacterial and anti-fungal, has a group T wear rating and is suitable for medium traffic areas.



Gamma® 160 is a multi-layered vinyl floorcovering, 1.60 mm thick with a 0.15 mm thick wear layer, available in sheets 2.00 m wide. The product comprises a compacted under layer reinforced with a glass fibre grid and a printed all-over design that is protected by a transparent wear layer.



Gamma® 160 is compact, heavy duty and durable. The flooring is anti-bacterial and anti-fungal, has a group T wear rating and is suitable for medium traffic areas.



Applications

- Holiday accommodation
- Bedrooms
- Television rooms
- Staff accommodation
- Service areas
- Lobbies and waiting areas

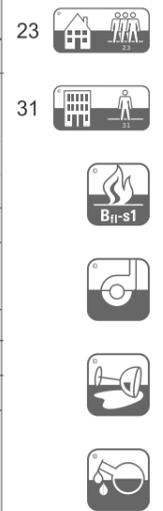
Special Features:

- PU treatment
- Low cost easy maintenance
- Wide range of wood and marble designs
- Easy to use, easy to install
- Pure PVC transparent wear layer
- VOC compliant

technical specifications

Gamma 130 / 160®

Characteristics	Standards	Units	Gamma 130®	Gamma 160®
Description			Multi-layered heterogeneous vinyl	
General performance	BS EN ISO 10874: 2012	Class	23 - 31	
	BS EN 649 : 2011	Group	T	
Usage			Domestic and light commercial use	
Special treatment			Easy maintenance PU treatment	
Overall thickness	EN 428	mm	1.30	1.60
Thickness of wear layer	EN 429, ASTM F410	mm	0.10	0.15
Weight	EN 430	g/m ²	2280	2720
Sheet size	EN 426	m (width)	2	
		m (length)	20	
		m ² (surface area)	40	
Tile size	EN 427	mm x mm	300 x 300 500 x 500 610 x 610	
Abrasion resistance	EN 660 -2	Group	T	
	EN 660 -2 ASTM D3389 (Weight loss / 1000 cycles)	Volume loss mm ³ g	< 2 ≤ 0.40	
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)	
	ASTM F970 (800 psi)	inches	Avg. 0.001	
	ASTM F1914		Pass	
Slip resistance	DIN 51130		R 10	
	BS 7976-2 (pendulum method)		-	
	EN 13893 ASTM D2047	Coefficient of friction	-	
Dimensional stability	EN 434	%	≤ 0.40	
Flexibility	EN 435	mm	< 20	
	ASTM F137		Pass	
Castor chair test	EN 425	Type of use	Continuous	
Sound insulation	EN ISO 717-2	ΔLw = dB	-	
Reaction to fire	EN ISO 9239-1: 2010	kW/m ²	≥ 8	
	EN ISO 11925-2: 2010		Pass	
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1	
	ASTM E648-06	Type	1	
Static electrical propensity	EN 1815	kV	< 2.0	
Electrical resistance	EN 1081	Ω	10 ¹⁰	
Thermal resistance	ISO 8302 (EN 12664)	k/W m ²	< 0.00752	
	ASTM 1514		Pass	
Smoke density	ASTM E 662-05	Dm	< 450	
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6	
Walking resonance	NF XPS 31 074		-	
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)	
Fungi & bacteria resistance	ASTM F925		Pass	
	(E1) PCP	%	-	
	ASTM G - 21 ASTM D3273		Does not favour growth Pass	

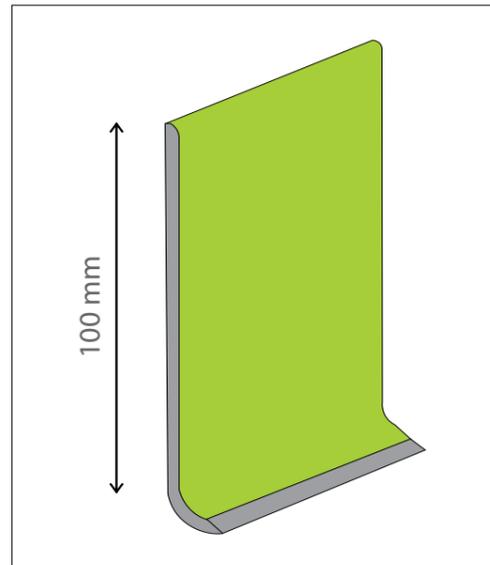


The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.

Flooring Accessories

Sit-On Skirting

Sit-on Skirting provides an impervious seal when welded to the floorcovering. Flexible PVC Sit-On Skirting is ideal for use in areas such as hospital corridors, schools etc.



RP 001

Availability :

Sit-On Skirtings are available in a standard height of 100 mm with thickness of 2 mm.

Standard Colours :

Black, Brown, Blue Bell, , Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow.

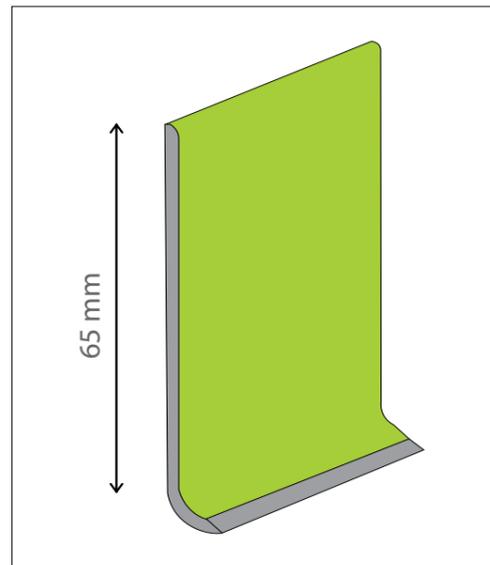
Standard Packing : 15 Meters in roll form

Installation :

Sit-on Skirtings are bonded to the substrate with a suitable contact adhesive. Sit-on skirtings should be adhered to the wall only.

Note :

Other colours can be produced to match customers specific colour requirement



RP 002

Availability :

Sit-On Skirtings are available in standard height of 65 mm with thickness of 2 mm

Standard Colours :

Black, Brown, Blue Bell, Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow.

Standard Packing : 15 Meters in roll form

Installation :

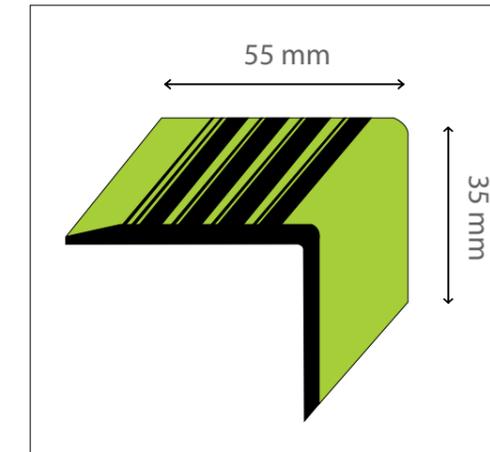
Sit-On Skirtings are bonded to the substrate with a suitable contact adhesive. Sit-On skirtings should be adhered to the wall only.

Note :

Other colours can be produced to match customers specific colour requirement.

Stair Edging / Stair Nozing

A one piece anti-slip PVC Stair Edging / Stair Nozing is recommended for use on escape stairs and in other light traffic areas. It is typically used with resilient floorings.



RP 003

Availability :

Stair Edging or Stair Nozing is available in a standard length of 1.5 meter with 3 mm thickness

Standard Colours :

Black, Blue Bell, Brown, Grey

Standard Packing :

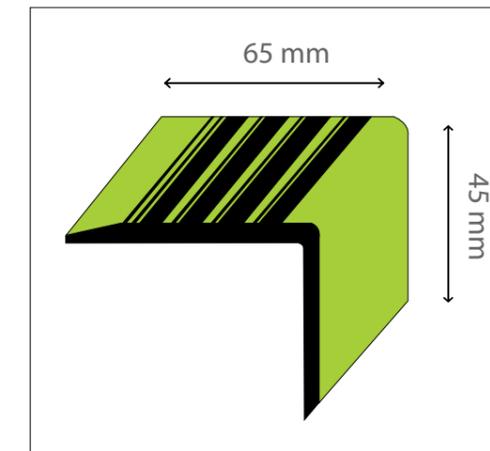
Supplied in 1.5 meter length

Installation :

Flexible Stair Edgings, cut to size on site are installed using suitable contact adhesive only

Note :

Other colours can be produced to match customers specific colour requirement



RP 004

Availability :

Stair Edging or Stair Nozing is available in a standard length of 1.5 meter with 3 mm thickness

Standard Colours :

Black, Blue Bell, Brown, Grey

Standard Packing :

Supplied in 1.5 meter length

Installation :

Flexible Stair Edgings, cut to size on site are installed using suitable contact adhesive only

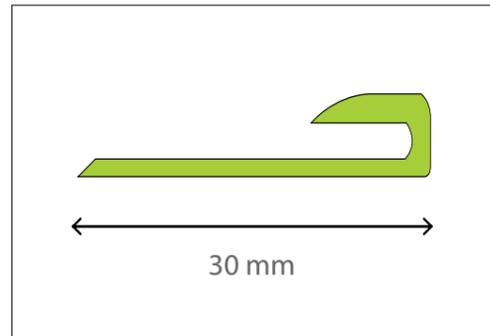
Note :

Other colours can be produced to match customers specific colour requirement

Flooring Accessories

Capping Strip

Flexible Capping Strips or Capping Seals are used to protect the exposed edge of the vinyl. Capping Strips provide a decorative, neat edge when resilient floorcoverings are dressed up the wall to form a skirting. Capping Strips are normally used in conjunction with a cove former.



RP 005

Availability :

Sit-On Skirtings are available in standard height of 100 mm with thickness of 2 mm

Standard Colours :

Black, Brown, Blue Bell, , Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow.

Standard Packing : 15 Meters in roll form

Installation :

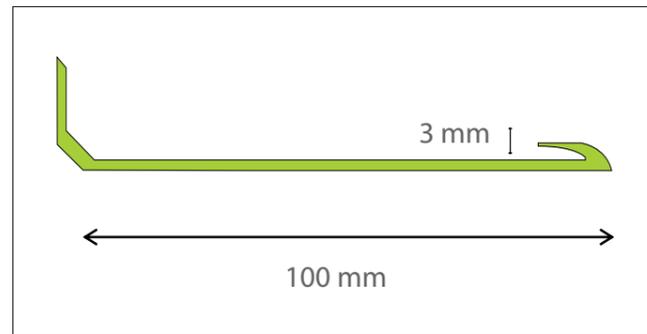
Sit-on Skirtings are bonded to the substrate with a suitable contact adhesive. Sit-on skirtings should be adhered to the wall only.

Note :

Other colours can be produced to match customers specific colour requirement

Full Cove & Capping Skirting

Full Cove and Capping Skirtings provide single solution to floor-covering by replacing individual use of Capping Strip, Skirting and Cove Former. Full Cove and Capping Skirtings are ideal for critical clean areas where a homogenous finish is required e.g. hospital treatment areas.



RP 010

Availability :

Set-in Skirtings are available in 140 mm height with 2 mm thickness to suit vinyl, linoleum and anti-static floorcoverings.

Standard Colours :

Black, Brown, Blue Bell, , Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow.

Standard Packing : 25 Meters in roll form

Installation :

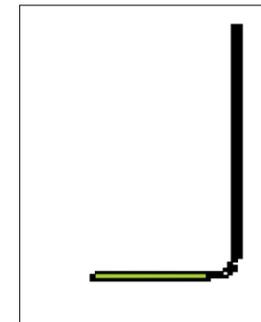
Set-in Skirtings are bonded to the substrate with a suitable contact adhesive and should be adhered to the wall and the floor prior to welding to the floorcovering

Note :

Other thicknesses and colours can be produced to match customers specific requirement

Set-In Skirting

Flexible PVC Set-in Skirting provides an impervious seal when welded to the floorcovering. Set-in Skirtings are Ideal for critical clean areas where a homogenous finish is required e.g. hospital treatment areas.



RP 006

Availability :

Set-in Skirtings are available in 140 mm height with 2 mm thickness to suit vinyl, linoleum and anti-static floorcoverings.

Standard Colours :

Black, Brown, Blue Bell, , Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow

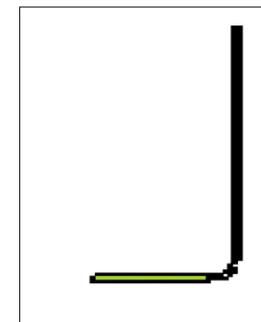
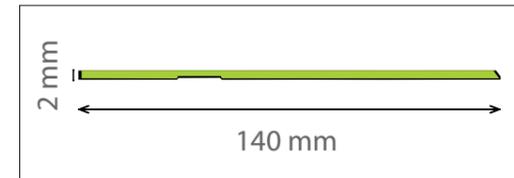
Standard Packing : 25 Meters in roll form

Installation :

Set-in Skirtings are bonded to the substrate with a suitable contact adhesive and should be adhered to the wall and the floor prior to welding to the floorcovering

Note :

Other thicknesses and colours can be produced to match customers specific requirement



RP 007

Availability :

Set-in Skirtings are available in 140 mm height with 3 mm thickness to suit vinyl, linoleum and anti-static floorcoverings.

Standard Colours :

Black, Brown, Blue Bell, , Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow

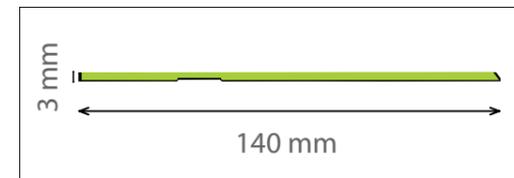
Standard Packing : 25 Meters in roll form

Installation :

Set-in Skirtings are bonded to the substrate with a suitable contact adhesive and should be adhered to the wall and the floor prior to welding to the floorcovering

Note :

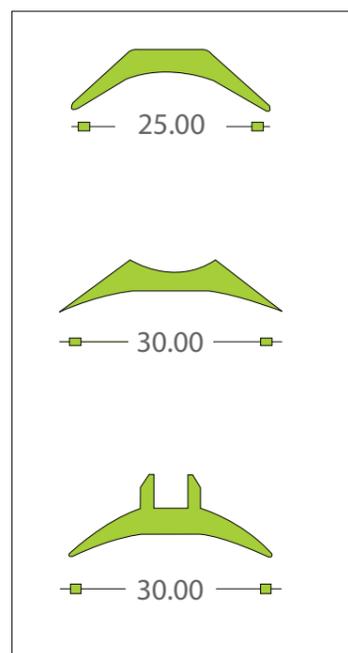
Other thicknesses and colours can be produced to match customers specific requirement



Flooring Accessories

Cove Former

Cove formers are used to form a cove where floorcoverings are continued up the wall and provide a neat coved finish to assist floorcoverings to achieve a vertical finish. Cove formers are normally used in conjunction with Capping Strips to finish the raw edge of the floorcovering.



RP 008

Availability :

Cove Formers are available in 25mm & 30 mm width to suit various applications.

Standard Packing : Supplied in 50 Meters roll form

Installation :

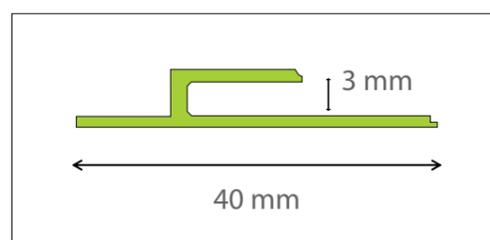
Flexible Cove Formers are installed with contact adhesive

Note :

Other colours can be produced to match customers specific colour requirement

Tile Cap

Tile Caps are used where ceramic wall tiles are finished against a resilient floor finish that has been dressed up the wall to form a skirting.



RP 009

Standard Colours :

Black, Brown, Blue Bell, Blue, Beige, Cream, Dove, Grey, Green, Off White, White, Almond, Purple, Yellow.

Standard Packing :

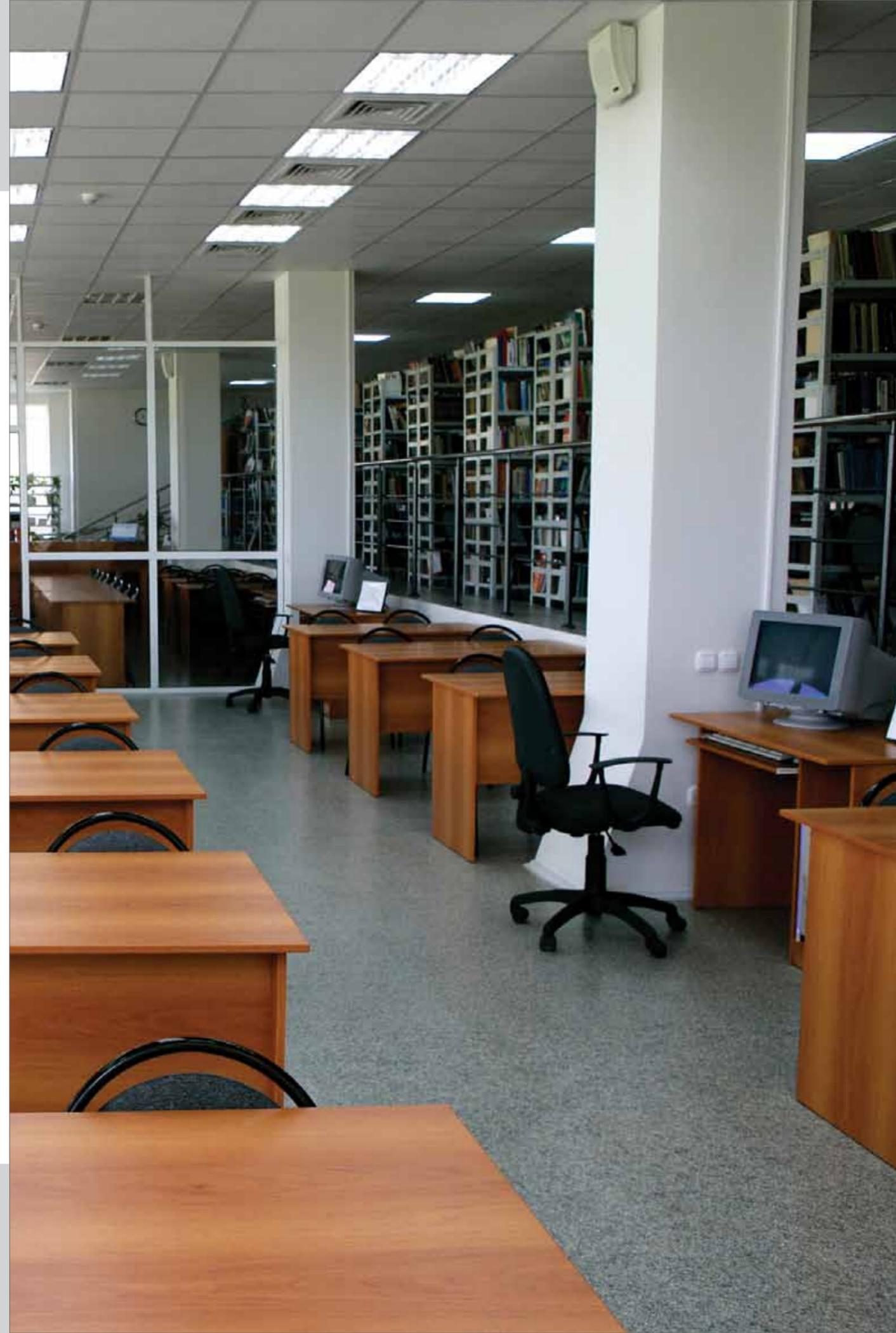
Supplied in 20 Meters roll form

Installation :

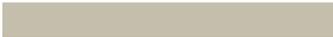
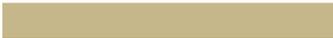
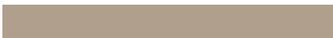
Tile Caps are installed using suitable contact adhesive

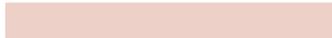
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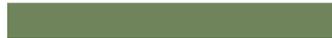
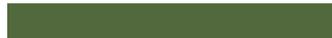
Other colours can be produced to match customers specific color requirement

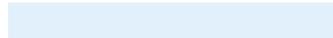


Welding Rod Colours

	WR-4699-571-4
	WR-1968-yellow
	WR 4419-502-4
	Rapid 7001-4
	WR 1369-151-4
	WR 2349-751-4
	WR 1369-153-4
	WR 2349-751-4
	WR 1968-382-4
	WR 1968-381-4
	WR 1369-154-4
	WR 4419-321-4
	WR 2349-753-4
	WR 1369-155-4
	WR 1968-387-4
	WR 1968-orange
	WR 4419-506-4
	WR 7379-141-4
	WR 2349-761-4

	WR 4699-581-4
	WR 4699-584-4
	WR 5329-524-4
	WR 2349-755-4
	Rapid 7009-4
	WR 5329-508-4
	WR 1968-384-4
	WR 2349-758-4
	WR 4419-322-4
	WR 4419-503-4
	WR 1369-158-4
	WR 4699-575-4
	WR 2349-758-4
	WR 2349-762-4
	WR 4419-324-4
	WR 4419-324-4
	WR 5329-505-4
	WR 1369-170-4

	WR 1968-CLEAR
	WR 3745-203-4
	WR 3745-209-4
	WR 6379-409-4
	WR 6379-404-4
	WR 1369-166-4
	WR 1369-167
	WR 6379-401-4
	WR 1968-green
	WR 6379-403-4
	WR 1369-164-4
	WR 4419-329-4

	WR 2349-759-4
	Rapid 7008-4
	WR 2349-757-4
	WR 3745-207-4
	WR 6379-405-4
	WR 4699-586-4
	WR 1968-386
	WR 2759-803-4
	WR 4699-576-4
	WR 3745-208-4
	WR 2349-756-4
	WR 6379-402-4
	WR 1968-388-4
	WR 5329-506-4



SCHOOLS, COLLEGES & NURSERIES



ACOUSTIC VINYL



PRODUCT	APPLICATION	COMPACT HOMOGENEOUS		NON-DIRECTIONAL HOMOGENEOUS		DIRECTIONAL HOMOGENEOUS		WALL COVERING		ELECTRO CONDUCTIVE			SAFETY ANTI-SLIP					HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING
		AQUARIS RQ®	PETRA RQ®	SPICA RQ®	VEGA PLUS®	TALITHA®	CAPILLA®	ELECTRA PLUS®	VEGA PLUS EL®	ELECTRA®	CANOPIUS PLATINUM®	CANOPIUS®	CANOPIUS PLUS®	CANOPIUS CROMPTON®	REGOR®	DUSTER®	ACOUSTO 340 / 380®	ENDURA®	WOOD ESSENCE®	GAMMA 130 / 160®	ROSE WOOD®	NATURAL WOOD®	POLARIS®	APPLICATION
SCHOOLS & COLLEGES	Reception Areas	●	●	●	●		●			●	●	●				●	●			●	●		SCHOOLS & COLLEGES	
	Classrooms	●	●	●	●		●			●	●	●				●	●			●	●			
	Dormitories	●	●	●	●	●	●			●	●	●	●			●	●	●		●	●	●		
	Changing Rooms	●			●	●	●			●	●	●	●	●	●									
	Bathrooms / Toilets					●				●	●	●	●	●	●	●	●							
	Meeting Rooms / Libraries	●	●	●	●	●	●			●	●	●				●	●	●	●	●	●	●		
	Laboratories	●	●	●	●	●	●									●	●							
	Computer Rooms		●	●	●	●	●	●	●															
	Auditoriums	●	●	●	●		●			●	●	●				●	●		●			●		
Hallways	●	●	●	●		●			●	●	●				●	●								
CHILD CARE	Nurseries	●					●			●	●	●	●			●	●	●				CHILD CARE		
	Kindergartens	●	●	●	●		●			●	●	●	●			●	●	●			●			
	Play Areas	●					●			●	●	●				●	●	●			●			



HOTELS & RESTAURANTS



WET AREAS & KITCHENS

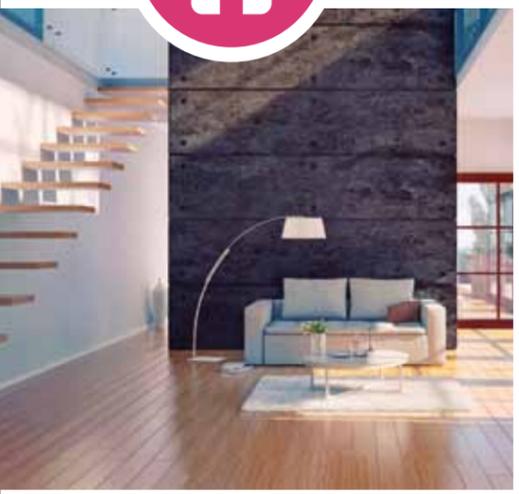


PRODUCT	COMPACT HOMOGENEOUS	NON-DIRECTIONAL HOMOGENEOUS		DIRECTIONAL HOMOGENEOUS		WALL COVERING	ELECTRO CONDUCTIVE			SAFETY ANTI-SLIP					DUSTER®	HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING		
		AQUARIS RQ®	PETRA RQ®	SPICA RQ®	VEGA PLUS®		TALITHA®	CAPILLA®	ELECTRA PLUS®	VEGA PLUS EL®	ELECTRA®	CANOPIUS PLATINUM®	CANOPIUS®	CANOPIUS PLUS®		CANOPIUS CROMPTON®	REGOR®	ACOUSTO 340 / 380®	ENDURA®	WOOD ESSENCE®	GAMMA 130 / 160®	ROSE WOOD®	NATURAL WOOD®	POLARIS®
HOTELS RESTAURANTS	Reception Areas	●	●	●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●		
	Service Areas / Back Areas		●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●		
	Commercial Kitchens		●	●		●	●			●	●	●	●	●	●									
	Staff Cafeterias		●	●	●	●	●			●	●	●				●	●	●	●	●	●	●		
	Rooms	●	●	●	●		●					●				●	●	●	●	●	●	●		
	Corridors / Hallways	●	●	●	●		●			●	●	●				●	●	●	●	●	●	●		
Meeting Rooms	●	●	●	●		●			●	●					●	●	●	●	●	●	●			
WET AREAS	Showers										●	●	●	●	●									
	Toilets										●	●	●	●	●									
	Locker Rooms										●	●	●	●	●									
KITCHEN	Collective Kitchen				●	●	●				●	●	●	●	●									
	Food Preparation Areas				●	●	●				●	●	●	●	●									
		COMPACT HOMOGENEOUS	NON-DIRECTIONAL HOMOGENEOUS		DIRECTIONAL HOMOGENEOUS		WALL COVERING	ELECTRO CONDUCTIVE			SAFETY ANTI-SLIP						HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING	



RESIDENTIAL

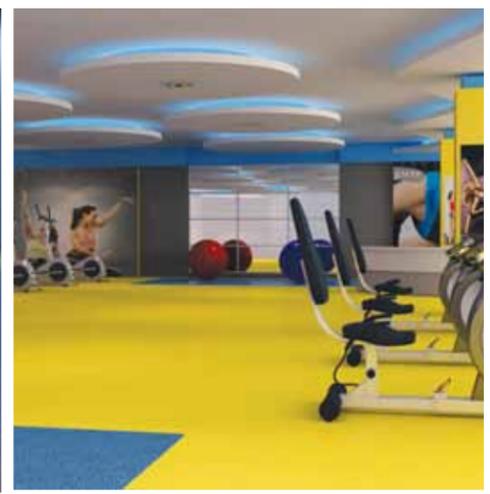
LOW COST HOUSING



PRODUCT	COMPACT HOMOGENEOUS	NON-DIRECTIONAL HOMOGENEOUS		DIRECTIONAL HOMOGENEOUS		WALL COVERING	ELECTRO CONDUCTIVE			SAFETY ANTI-SLIP					DUSTER®	HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING		
		AQUARIS RQ®	PETRA RQ®	SPICA RQ®	VEGA PLUS®		TALITHA®	CAPILLA®	ELECTRA PLUS®	VEGA PLUS EL®	ELECTRA®	CANOPIUS PLATINUM®	CANOPIUS®	CANOPIUS PLUS®		CANOPIUS CROMPTON®	REGOR®	ACOUSTO 340 / 380®	ENDURA®	WOOD ESSENCE®	GAMMA 130 / 160®	ROSE WOOD®	NATURAL WOOD®	POLARIS®
RESIDENTIAL	Individual Houses	●			●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	RESIDENTIAL
	Old Age Homes	●	●	●	●		●			●		●	●	●	●	●	●	●	●	●	●	●	●	RESIDENTIAL
	Apartment Buildings	●					●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	RESIDENTIAL
TEMPORARY LOW COST HOUSING	Modular Homes		●	●	●	●	●			●	●	●			●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING
	Pre-fabricated Houses				●	●	●			●	●	●		●	●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING
	Worker Accommodations		●	●	●	●	●			●	●	●		●	●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING
	Labour Camps				●	●	●			●	●	●		●	●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING
	Construction Site Offices		●	●	●	●	●			●	●	●		●	●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING
Temporary Toilets					●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TEMPORARY LOW COST HOUSING



TRANSPORT



SPORTS

PRODUCT	COMPACT HOMOGENEOUS	NON-DIRECTIONAL HOMOGENEOUS	DIRECTIONAL HOMOGENEOUS	WALL COVERING	ELECTRO CONDUCTIVE						SAFETY ANTI-SLIP						HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING	
					ELECTRA PLUS®	VEGA PLUS EL®	ELECTRA®	CANOPUS PLATINUM®	CANOPUS®	CANOPUS PLUS®	CANOPUS CROMPTON®	REGOR®	DUSTER®	ACOUSTO 340 / 380®	ENDURA®	WOOD ESSENCE®	GAMMA 130 / 160®	ROSE WOOD®	NATURAL WOOD®	POLARIS®	APPLICATION			
APPLICATION	AQUARIS RQ®	PETRA RQ®	SPICA RQ®	VEGA PLUS®	TALITHA®	CAPILLA®	ELECTRA PLUS®	VEGA PLUS EL®	ELECTRA®	CANOPUS PLATINUM®	CANOPUS®	CANOPUS PLUS®	CANOPUS CROMPTON®	REGOR®	DUSTER®	ACOUSTO 340 / 380®	ENDURA®	WOOD ESSENCE®	GAMMA 130 / 160®	ROSE WOOD®	NATURAL WOOD®	POLARIS®	APPLICATION	
TRANSPORT	Buses & Coaches	●	●	●						●	●	●	●	●	●					●	●		TRANSPORT	
	Railway Carriages, Stations	●	●	●	●					●	●	●	●	●	●	●								
	Marine Vessels / Ships	●	●	●	●					●	●	●	●	●	●	●	●	●		●	●			
	Airports	●	●	●						●	●	●				●	●	●						
SPORTS	Basketball Court																					●	SPORTS	
	Volleyball / Handball Courts																						●	
	Multi-purpose Sports Hall																						●	
	Table Tennis Court									●	●	●											●	
	Indoor Tennis Courts																						●	
	Gymnasiums																						●	
	Fitness Centres																						●	
Weight Rooms				●						●	●	●										●		
	COMPACT HOMOGENEOUS	NON-DIRECTIONAL HOMOGENEOUS	DIRECTIONAL HOMOGENEOUS	WALL COVERING	ELECTRO CONDUCTIVE						SAFETY ANTI-SLIP						HETEREGENEOUS (COMPACT MULTI-LAYER)				VINYL WOOD PLANKS		SPORTS FLOORING	

Installation Guide

01 The Sub Floor

For new or renovation jobs, the flooring contractor is solely responsible for laying down the floor covering. He must ensure that the sub floor has been suitable prepared and is ready to receive the vinyl floor. It is required that the sub floor is hard, level, dry, smooth and structurally sound to be considered suitable for installation. Please note that in some cases additional parameters need to be met before laying the vinyl floor. Also, all local regulations and conditions must be considered while inspecting and or preparing sub floors before the vinyl floor covering installation.

1.1 Preparation of Sub floor

It is important that the sub floor is hard, level, dry, smooth and structurally sound. It must be free of cracks and other irregularities and must not be contaminated with paint, plaster, oil, grease or any other substance that could affect the adhesives used.

1.2 Cracks

Cracks must be filled with an appropriate crack repair material that does not cause undulations or unevenness on the floor surface. Our installation procedure are basic and more technical assistance may be required from site to site. Please contact us for the full technical guide.

1.3 Hardness

Use cement based screeds for sub floor preparation and make sure that they are not crumbly or flaky.

1.4 Flatness

Maximum deflection, for a 0.30m spirit level: 7mm, and for a 0.20m spirit level: 2mm. Surface state must be fine and regular.

1.5 Dryness

Moisture content in sub floors should be measured using rH meters and should be in accordance with relevant standards in each country. According to prevalent ASTM standards, the relative humidity in the sub floor must not be more than 75% R.H.

Due to the quantity of water used for concrete mixing and laying of screeds, a drying time is required of approximately 1 day per millimeter (1 month for 25 mm). This is considered for screed thicknesses up to 50 mm. Adapt the drying time according to how cold or damp the conditions are.

1.6 Smoothness

A self-leveling compound must be applied to the entire surface. The thickness of the compound depends on the undulations of the screed. Self-leveling compounds are designed only to cover minor surface undulations and cannot be replaced for dramatic leveling deficiencies in the sub screed. The self-leveling compound must be allowed to dry in accordance with manufacturers instructions. To obtain a perfectly smooth surface, rub down using a carborandum stone. Sweep or vacuum up any dust. Spread the adhesive.

1.7 Expansion joints or movement joints

Floor covering should be laid up to the joint and the joints should be covered with an appropriate plastic or metal sliding joint cover.

1.8 Sub floors direct to ground

A damp proof membrane or other water resistant barriers must be established to act against underlying hydrostatic pressure and moisture.

1.9 Under floor heating

The sub floor must be allowed to dry in accordance with local standards. The heating system should be switched on at least 4 weeks before laying the floor covering, then switched off 24 hours before any sub floor preparations. The mains should be switched off during installation of the floor covering. The heating should then be switched on 48 hours after installation of the flooring and the temperature progressively increased to normal working temperatures over 5 - 7 days. Floor temperature < 28° C.

1.10 Old carpeting

Remove old carpeting, clean the sub floor and apply a self-leveling compound before installation.

1.11 Wooden Floorboards

Check the condition of the floorboards and secure any loose boards. Any knotholes should be filled as necessary. Cover with hardboard, chipboard or plywood, minimum thickness 8 mm. These sheets should be nailed or stapled every 10-15 centimeters. Check that the floorboards are dry and ventilated on the underside. All non-ventilated wooden floors must be removed.

1.12 Ceramic tiles

Any loose tiles must be removed with all traces of paint, plaster, and grease. The sub floor must be cleaned and then primed with an appropriate primer prior to applying self-leveling compounds in full accordance with manufacturers instructions. Sweep thoroughly. Apply the adhesive as instructed by the manufacturer.

1.13 Old Flooring

Old vinyl, linoleum and rubber floor covering must be removed and the sub floor examined and prepared as necessary before installing the new floor covering.

02 Prior to Installation

2.1 Conditions and Requirements

1. The sub floor must be clean, dry and free from cracks. Dust and contaminants that could prevent adhesion, such as patches of paint, oil, etc., must be removed. Note that asphalt, oil spillage, impregnation agents, pen marks, etc., can cause discoloration. Damp proofing to be carried out according to the local building standards. Where required an effective damp proof membrane must be incorporated in the sub floor. Check for dampness in ground supported floors, floors above boiler rooms, floors with under floor heating or containing high temperature pipe work etc.

2. When installing this product on concrete sub floors that do not include damp proofing, the moisture content measured in terms of relative humidity must not be higher than (85% in UK and 75% in Ireland according to BS 8203).

3. Where pipes are laid in the floor they should be arranged so that the flooring material is not continuously subjected to a temperature above 30°C, otherwise there may be discoloration and other alterations of the material.

4. Extra special care must be taken with installations on surfaces where significant temperature changes can be expected, for example, floors exposed to strong sunlight, as adhesion strength and sub floor treatment may be heavily stressed.

5. Floor boards and similar substrates should have moisture content of 8% (equivalent to 40% RH at +20°C), so that any subsequent movements cannot cause damage.

2.2 Preparation

1. Dust and loose particles must be thoroughly removed. Highly absorbent or variably absorbent substrates should be sealed with diluted flooring adhesive (1:4). The primed surface must be completely dry before laying commences.

2. When applying smoothing compounds, use compounds that meet the minimum requirements in the building standards. NOTE: Discoloration can occur when using two-part polyester compounds if they are mixed incorrectly and /or insufficiently. Do not mix directly on the substrate.

3. Where required, damp proofing must be carried out.

4. Use only a lead pencil or marking. Note that any marks made with felt-tipped pens, permanent and non-permanent ink makers, ball point pens etc. can cause discoloration due to migration.

Installation Guide

- If material from several rolls is used, they should have the same manufacturing serial numbers and be used in consecutive order.
- Prior to laying, allow the material, adhesive and sub floor to reach room temperature, i.e. A temperature of at least 18°C. The relative air humidity should be 30-60%.
- The rolls should be stored upright. Any faults in the material should be reported immediately to your nearest sales office. Always quote the colour and roll numbers, which are stated on the control card.

03 How To Install : Sheet

3.1 Vinyl Sheet Installation

The vinyl sheets must be unrolled and kept in ambient conditions in the room to be covered. The minimum temperature to be maintained is 20°C (68°F). The adhesive should also be acclimatized to the vinyl. Recommended unrolled time is 48 hours.

- Lay first length along guideline, ensuring sheets are laid lengthways in the same direction as the light falls.
- Fold back sheets half way.
- Use a finely serrated trowel to apply the single stick water based acrylic adhesive. Carefully follow instructions by the adhesive manufacturer. Insufficient drying time or excess adhesive will cause bubbles. If the open time is too long the adhesive transfer will be poor.
- Smooth down manually then roll with a 65 kg flooring roller.
- All joints should be grooved and then welded using supplied welding rods only after 24 hours have elapsed. Proper grooving and welding equipment needs to be used. Installers are also required to have appropriate training for the same.
- Do not traffic the floor covering for 48 hours after installation.

3.2 Antistatic Sheet Installation

Please refer to Installation Instructions for Sheet Vinyl Flooring. Only recommendation is to use high performance acrylic adhesives with low water content. The flooring has antistatic properties of its own.

3.3 Dispersive and Conductive Sheet Installation

Recommended installation is with conductive adhesives and a conductive primer. Copper Strips are required only along the edges and on the diagonal. The sheets must be unrolled and left in the room to be covered, with the adhesive, for at least 48 hours prior to installation. Minimum ambient temperature must be 20°C (68°F).

Copper strips: code 0584

Width: 1 cm

Average length: 250 lm

Thickness: 6/100 mm

Weight: about 3.60 kg

- Apply a conductive primer. The coverage should be 100-150g/m². Leave to dry for at least 12 hours or according to manufacturer specifications.

- Install first lengths along guideline, ensuring sheets are laid lengthways in the same direction as the light falls.



- Use 2 LM of copper strips for every 30 M². Connect the copper strip to the earth (1 connection for every 30 M²). For rooms over 30M², install copper stripes at the periphery of the room and along the diagonal.

- Adhere with an acrylic single stick conductive adhesive and a sharp-toothed spatula, or similar approved adhesive. The coverage should approximately 200-300 g/m². In order to achieve a regular and appropriate coverage change the spatula regularly.

Carefully follow the manufacturer's instructions when applying primer and adhesive. Ensure that the suppliers can provide a 10-year guarantee for the conductivity of the adhesive.

- Install the floor covering as per the vinyl sheet instructions mentioned earlier.

- Manually smooth down the roll with a 65 kg flooring roller.

- Groove and hot rod the weld joints 24 hours after installation. Extra care must be taken to ensure that there are no gaps in welding and that a contiguous floor is formed. Responsive takes no responsibility for poor welding which results in failure of the conductive nature of the product. Dried adhesive on surface of flooring may be removed with white spirit or surgical spirit.

- Do not allow traffic on the floor covering for 48 hours after installation.

3.4 Further Detailed Installation Instructions

- Installations should be made at room temperature (at least +18°C). The relative air humidity in the premises should be 30-60%. Installation during other conditions must not be carried out.

- Cut the sheets to length and, if possible, lay them out to acclimatize for a while prior to laying. This is particularly important to longer lengths.

- The sheets are fully adhered with an adhesive approved for vinyl floors. Solvent-based chloro-prene contact adhesive must not be used as it can cause discoloration. See the adhesive manufacturer's instruction regarding coverage, open time etc. The assembly time depends on the type of substrate, its absorbency, the temperature and air humidity in the premises.

- Sheets must be installed such that colour differences are avoided. Reverse sheets whenever possible.



04 How to Install: Tile

4.1 Vinyl Tile Installation

Unpack the tiles 24 hours before installation and store stacked horizontally at a minimum ambient temperature of 15°C. (59°F)

- Strike an axis perpendicular to the main entrance. Strike a perpendicular line to this axis ensuring cuts for tiles on both sides.

- Apply adhesive to a few square meters of sub floor in one quarter. Insufficient open time of the adhesive will cause bubbles. If open time is too long the adhesive transfer will be poor.

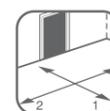
- Press each tile into position ensuring joints are butted tight. Plain tiles should be laid tessellated at 90° angle.

- Smooth down manually then roll with 65 kg flooring roller.

- If necessary hot rod welds joints after 24 hours have elapsed. Do not traffic the floor covering for 48 hours after installation.

4.2 Dispersive and Conductive Tile Installation

Installation procedure for conductive tiles is on a copper strip grid system. The tiles must be laid out in the room for at least 24 hours prior to installation. Minimum ambient temperature must be 20°C (68°F). A high performance acrylic adhesive with low water content must be used.



Installation Guide

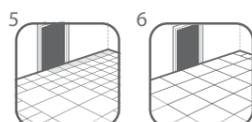
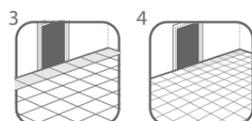
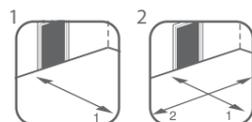
Copper strips: code 0584

Width: 1 cm

Average length: 250 lm

Thickness: 6/100 mm

Weight: about 3.60 kg



1. Strike an axis perpendicular to the main entrance.
2. Strike a perpendicular line to this axis ensuring equal cuts for tiles on both sides.
3. Set out tiles leaving a walkway around the perimeter of the room.
4. Lay out the copper strips so that they form a cross under the center of each tile.
5. Apply adhesive to central area (leave walkway free).
6. Install the copper strips and then the tiles which may be closely butted at joints. Make sure the adhesive does not contaminate the copper strips. Fold back the copper strips. Apply adhesive to the peripheral walkway and then replace the copper strips back into adhesive. Lay the peripheral copper strips. Lay a 10 cm band of copper strip for every 40 or 50 M2 for earthing. Install tiles in walkway.

7. Smooth down manually then roll with 65kg flooring roller.

8. Groove and hot rod weld the joints 24 hours after installation. Dried adhesive on surface of flooring may be removed with white spirit or surgical spirit.

Do not traffic the floor covering for 48 hours after installation.

05 Special Areas:

5.1 Installation in wet room areas

1. The flooring is covered approximately 100 mm (4 in) up the wall. If wall covering is to be installed, then it should overlap the wall base by at least 30 mm (approx. 1 in). For the best result, the thickness of the wall base is leveled out before installation of the wall covering, so that a smooth juncture is obtained. Use a water resistant leveling compound.

2. Within 0.5 m radius from floor drains etc. seams are not recommended.

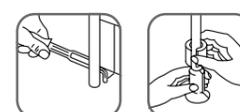
5.2 Fitting for coves and corners

1. Using a straight edge and pencil, mark at a height of about 10 cm (approx. 4 in.) all walls where the flooring will be coved. Apply the adhesive on the walls up to the marked line, using a fine notched trowel. Spread some of the adhesive out onto the floor, as shown in the picture.

2. While the adhesive becomes tacky, the sheets are cut. The sheets should be cut longer than the room length to allow sufficient material for coving. When a sheet fits the width of the room, make a cross mark on the bottom of the material and the sub floor to indicate the center. This will help you place the sheet in its exact position. The cross marks are to coincide at installation.

3. When the width of the room exceeds the sheet width (more than one piece has to be installed to cover the area), mark a line on the floor parallel to the longitudinal wall at a distance equivalent to 12 cm (about 4 1/2 in.) less than the sheet width. Mark the room's center on this line. On the bottom of each sheet, mark their center. The cross marks on the sub floor and sheets shall coincide at installation.

4. Fold back and loosen the sheets covering half of the floor area. Apply the adhesive on the sub floor with a fine notched trowel. Use a soft brush around drains and hard-to-reach areas. Around and inside drains, use adhesive recommended by the manufacturer of the drains.



5. Use a corner roller to press the material firmly into the juncture between the floor and wall. In areas where one sheet is sufficient to cover the sub floor, the adhesive can be applied over the entire surface area before installing the sheet. Although this requires experience, it is the fastest installation method.

6. When fitting in-corners, make a cut in the excess material starting about 5mm (about 1/4 in.) above the floor in the corner. If the material has to be heated before folding, heat the area between the sheet and the wall. This provides better contact between the sheet and adhesive.

7. Press the material firmly into the corner with a Corner Roller.

8. The corner seam shall be placed on one of the walls at a 45 degree angle.

9. When fitting at our-corner, the sheet is folded against the corner and cut about 5 mm (1/4 in.) from the floor. The guidelines in the picture show the corner on the sheet and the position of the cut at about a 45 degree angle. Then a diagonal cut is made as shown.

10. To glue the triangle shaped piece more simply and securely, cut a groove at the back of the triangle with Corner Knife. The depth of the groove shall be no deeper than half of the sheet thickness.

11. The triangle can now be folded and placed on the corner. It will overlap the coved floor. Cut through the overlapping material to make a tight fit.

12. Use a hot-air gun for welding with thread at in-corners and out-corners. Speed Welding Nozzle is specially designed for welding vinyl floors. For a perfect job, a Repair Gun to the Swan Neck is usually required to effectively seal all seams nearest to the floor.

5.3 Fitting around pipes and floor drains

Around pipes by walls, cut the sheet and press it against the pipe to form a collar. In tight or cramped areas between pipes and walls, cut as shown by the dotted line. If a cover is required, do the following:

1. If you make a cover out of floor material, fit it against the pipe with adhesive. Weld the seams together using Repair Gun.

2. Prefabricated covers are applied according to the manufacturer's instructions. Seam sealer or sealing compound approved for this purpose, can be used for an extra tight fit around pipes.

Around drain pipes, fold the sheet against the pipe and mark a line on the material where the center of the pipe is. Cut a hole about 25 mm (about 1 in.) smaller than the diameter of the pipe. As shown, cut the hole at the start of the fold. Heat the sheet vinyl and press it over the pipe. Trim off excess material with a hook knife so that the break in the pipe wall is cleared.

Around flush drain openings, heat the sheet and mark the location of the drain using a clamp ring. Then cut a small hole in the center of the drain within the mark. Heat the flooring and press the clamp ring down into the edge of the drain. When using an adjustable clamp ring, make sure it fits tightly. Trim the material around the perimeter of the ring.

06 Adhesives

NOTE: Instructions for use are provided by the adhesive manufacturer. These are applicable for normal hydrometric conditions and sub floor porosity. However, they may need modification depending upon site conditions.

Waiting time: This is the time that must be left between application of the adhesive to the sub floor and sticking down the flooring.

Open time: During this time, the adhesive is in a suitable condition to receive the floor covering.

Installation Guide

6.1 Water-based or emulsion

Suitable for most types of flooring. Their sticking power is determined according to their rate of evaporation. They are normally applied with a finely notched trowel or roller.

6.2 Contact adhesive

These are resins in solution and flammable. They are usually double stick and applied using a stiff brush or trowel. Neoprene adhesive should be used for certain types of flooring e.g. Rubber Polyurethane contact adhesive is recommended for difficult areas e.g. skirting panels to PVC.

6.3 Two part adhesives

This type of adhesive (epoxy + polyurethane) is used for flooring subjected to heavy traffic, dampness or exposure to the elements. Single application.

6.4 Recommended adhesives per product type

For more information refer to adhesive manufacturer's instructions or contact the technical department at Responsive Industries.

07 Welding

7.1 Cold Welding

1. Overlap the edges by 3 or 4 cm and cut through both thicknesses with a stanley knife using a ruler as a guide-line. It is beneficial to place a flat straight edge beneath the joint to be cut. This will avoid damaging the sub floor and ensure a tight butt joint is achieved. But the sheet edges together to form a compression joint.

2. Cover the joint with paper adhesive tape.

3. Cut through the tape into joint.

4. Fit the necessary nozzle onto the bottle, depth welding: nozzle with guide, surface welding: feed nozzle. Insert nozzle into joint and squeeze bottle until there is an excess of liquid on the surface of the tape. Wait for 60 seconds.

5. Remove adhesive tape.

7.2 Hot Welding

Allow 24 hours after laying. Welding can then be done either manually or mechanically using a welding machine and weld rod.

1. Grooving can be done manually or mechanically using an electric grooving machine.

Foam backed vinyl: only groove through the depth of the wear layer.

Homogeneous material: the depth of the groove should be equal to the total thickness of the material minus 0.3 mm.

2. Mechanical or manual welding

3. Trimming the joint: First trim using a crescent bladed knife with cable slide. When the joint has fully cooled, trim for a second time with the crescent bladed knife to ensure that the weld rod is flush with floor covering.

For E3 classification it is compulsory to install set- in coved skirting with a welded joint. The sheets are heat-welded. Do not weld until the adhesive has bonded completely. The joints are chamfered or grooved to about 3/4 of the thickness using a hand grooving tool or machine prior welding. Weld with hot-air and Speed Welding Nozzle.

CAUTION: Weld seams must cool to room temperature before trimming. Start trimming where you began welding. All trimming of welding thread is recommended in two steps: rough and fine trimming. With Trimming Knife rough and fine trimming can be done by turning the knife. When fine trimming welding thread, turn the grooved side up.

08 Inspection

The work must be completed with an inspection. Ensure that the newly laid flooring is free from adhesive residues and that the bond is consistent with no bubbles.

For the best results:

1. Make sure all specifications and instructions are followed carefully.

2. Use only adhesives recommended by adhesive manufacturers.

3. Check the installation afterwards.

4. Contact your representatives if unsure about any part of the installation.

Modern day-room cleaning aims at a reduction of wet-cleaning procedures and their replacement by dry-cleaning techniques that utilize impregnated disposable cleaning materials while making full use of the appropriate machines. This makes work easier for the cleaning personnel and also protects the flooring and environment due to less use of cleaning chemicals. This way the cleaning procedures yield improved results of a constant quality. Flooring has a polyurethane (PUR) reinforced surface and is ideally suited to this kind of cleaning techniques.

09 Cleaning

9.1 Initial site cleaning

An initial site cleaning is always carried out before using new flooring. Always protect the floor with hardboard or similar during the construction period.

Lightly soiled floors: Vacuum, sweep or damp mop the area to remove loose dirt and building dust. A combined machine with brushes and white/yellow floor pads is very effective on large, open areas. Use a neutral detergent, pH 7-9. When necessary, dry buff at high speed using white/yellow floor pads.

Severely soiled floors: Remove loose dirt and building dust. Then scrub the floor with a scrubbing machine and red floor pads. If there is a lot of building dust, use a detergent with pH5-7. Rinse with warm water. Dry buff at high speed using red floor pads.

9.2 Daily Cleaning

Dry or damp mopping suffices for daily cleaning.

9.3 Cleaning with Chemicals

If wet-cleaning is necessary, use a neutral floor-cleaner. Wet rooms may necessitate occasional cleaning with acidic cleansing agents (pH 3-5) in order to remove residual lime and soap
Warning: Always follow dosage instructions carefully!

9.4 Machine cleaning

In order to achieve good results, clean the floor gently with a combined scrubber-dryer machine and medium-hard brush or preferably red pad.

9.5 Preventive measures

Stop dirt right at the door, 85% of it enters a room this way. There is effective entrance barrier matting to bind dirt from people's shoes. Remember that grit and sand particles are the number one cause of damage.

Maintenance Guide

01 Dry buffing

Dry buffing is an efficient method used to remove traces of scuff marks and to restore a floor's surface once wear has become visible. It is best to dry-buff right after you have machine-cleaned the floor. Dry buffing limits renewed soiling. Be sure to use the correct type of pad. Best results are achieved at approximately 1000 rpm and using a red buffing pad. Dry-buff frequently according to the amount of wear.

02 Machine cleaning

Heavy wear and soiling necessitates machine-cleaning. Apply the cleaning solution (a fairly strong cleansing agent added to water, pH 10-11) to the flooring and allow to penetrate for a few minutes. Clean the flooring using the machine and a red cleaning pad. Vacuum away the dirty water immediately afterwards. Rinse with clear water. Allow the flooring to dry and then dry-buff according to the maintenance instructions above. Do not treat the flooring with polish!

03 Removing marks and stains

Treat marks and stains immediately. Use white/red nylon pads with methylated spirits, cleaning spirit or neutral detergent. Wipe afterwards with clean water.

04 General advice:

1. Resilient floors are damaged by solvents.
2. Wipe up any split oil immediately because it may damage the surface.
3. Black rubber wheels and rubber feet can discolour the floor.
4. All chair legs must have protective feet.
5. Remember that light colours need to be cleaned more frequently.

For specific brands please contact Responsive Industries for detailed maintenance instructions.