



Easy Clean Coating additive
100% Fluoropolymer
Grade Ref: ECC 1000
Manufacturer: 3M, USA

3M™ Easy Clean Coating ECC-1000 is a clear, colorless treatment for ceramic, glass and other non-porous materials. It also offers stain resistance, water and oil repellency. ECC-1000 is 100% Fluoropolymer based additive. ECC 100 additive is 100% fluoropolymer reacts with some surfaces to create a low surface energy coating that is not easily wetted out with liquids. The treatment is stable and durable. It can be removed by harsh cleaning agents, such as abrasives or a very strong base. ECC-1000 coating can be applied by spray application or dip coating. In order to accomplish this you need to dilute the solution to about 0.1% by weight of the product with a fluorinated solvent. This results in a coating thickness of 20 to 100 nm.

Typical Properties

Form. Clear liquid

Composition

100% Fluoropolymer

Specific Gravity..... 1.6

Ionic nature.....Non Ionic

Flash Point.....Not applicable

Dilution/Usage

1%

Contact us for the formulation.
Depending upon usage and application
pH adjusting is required and change in formulation.

Key advantages

- Surface protection
- Water & Oil repellency
- East removal of stain
- Easy clean properties
- Reduce water cleaning cycles
- Increase lubricity

End use applications

- Sanitaryware
- Glazed Ceramics
- Glass
- Ophthalmic glasses

Initial contact angles (water/hexadecane)

90°-105°/55°-65°

Contact angles after abrasion 50,000 cycles with cleaner

80°-95°/45°-50°

Contact angles after exposure 24 hrs 18% HCl at 20°C

90°-95°/50°-55°

Storage

It is recommended that ECC-1000 coating be stored in a closed bottle, away from direct sunlight, in a cool, dry place (temperatures between 10-25°C/50°-70°F). Avoid contact with moisture. Shelf life is 1.5 years from date of 3M manufacture.

Available packaging

100 gram

1000 gram

Shelf life

1.5 years

3M is a trademark of 3M - Geocon Products are distributors of 3M India Limited.

To support Indian market and customers we keep stocks of Fluorosurfactants in warehouse & support customers



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NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product is appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, and whether such use will infringe the intellectual property rights of third parties.