



Thetaguard™ HS-3012

Short-Chain Hard-surface protectant

Overview

- Short-Chain Fluorochemical Technology (meets the goal of the US EPA 2010/2015 PFOA Stewardship Program)
- Partially Fluorinated material that provides exceptional ambient temperature cure protection for hard surfaces with little or no change in appearance
- Excellent Oil and Water Repellency and resists soils, stains, chemical degradation, efflorescence
- Vapor permeable for reduced cracking, spalling, freeze/thaw damage
- Water based with low VOC (less than 100g/L, as delivered)
- Ambient cure for ease of use
- Readily dilutes in water with excellent shelf stability
- Treated surfaces are easier to clean, and have improved newness retention

Applications

- Hard Surface protectors
- Granite, marble, limestone, saltillo, quartz, quartzite, travertine, terrazzo, most stone surfaces
- Cement tile, concrete/masonry
- Clay tile, stucco
- Grout, mortar

Technical Information

Thetaguard HS-3012 is a partially fluorinated product designed for aftermarket, ambient cure applications to hard surfaces. The product offers protection to a broad range of stone surfaces. It has been specifically designed as a pH neutral product to provide optimal water & oil repellency and stain resistance on many stone surfaces such as marble, granite, limestone, saltillo, travertine, quartz, quartzite, concrete, and masonry.

Thetaguard HS-3012 is a pre-formulated concentrate that readily dilutes in water, with exceptional storage stability even after dilution.

Formulary

Dilute 1 part Thetaguard HS-3012 with 5-10 parts water before applying.

Coverage rates will vary depending on the application method, porosity of the substrate, desired performance and cost parameters. Excess liquid applied to a substrate should be wiped up with a lint-free cloth, if it has not penetrated after 15-20 minutes to avoid hazing from over-application of the product.

Thetaguard HS-3012 can be spray applied with low pressure trigger sprayer. Do not aerosolize.

Typical Properties

PROPERTY	VALUE
Appearance	Off-white to tan, aqueous dispersion
Odor	Mild
Ionic character	Anionic
Water solubility	Dispersible
Actives, %	12.0 to 14.0
pH (as is)	7.0 to 8.0
Density@25°C	1.05±0.02 g/ml
Boiling Point	100°C
Flash point	None (aqueous)
Storage	Perishable if frozen
Shelf life	12 months

Packaging and Handling

Thetaguard HS-3012 is available in:
275 gallon totes (Net Wt. 2200 lbs)
55 gallon plastic drums (Net Wt. 440 lbs)
5 gallon pails (Net Wt. 40 lbs).

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

Note: Cure time for maximum water protection is approximately 24-72 hours; however, repellency will start to develop almost immediately. Application rates, concentration of Thetaguard HS-3012, and temperature/humidity can impact dry/cure times.

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

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Performance Data

Oil and Water Repellency

Cement Tile

Untreated Oil rep. of 0/Water rep. of 0
2.5% Thetaguard HS-3012: Oil rep. of 6/Water rep. of 6

Travertine

Untreated Oil rep. of 0/Water rep. of 0
2.5% Thetaguard HS-3012: Oil rep. of 6/Water rep. of 6

Saltillo

Untreated Oil rep. of 0/Water rep. of 0
2.5% Thetaguard HS-3012: Oil rep. of 5/Water rep. of 4

Polished Granite

Untreated Oil rep. of 4/Water rep. of 6
2.5% Thetaguard HS-3012: Oil rep. of 6/Water rep. of 6

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