



Thetaguard™ HS-3000

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 Hold-Out 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
- UV resistant for increased coating life
- Treated surfaces are easier to clean, and improves newness retention
- Not for use on Acid-Sensitive stone (i.e. polished marble or limestone)

Applications

- Hard Surface protectors
- Grout, mortar
- Concrete/masonry
- Saltillo tile, clay tile, stucco
- Granite, terrazzo, most stone surfaces
- Not recommended for use on acid-sensitive stone (polished marble, limestone, etc.)

Technical Information

Thetaguard HS-3000 is a partially fluorinated product designed for aftermarket, ambient cure applications to hard surfaces. While it offers protection to a broad range of surfaces, it has been specifically designed to provide optimal water and oil repellency on general building and construction materials such as concrete, masonry, saltillo tile and granite.

Thetaguard HS-3000 is a pre-formulated concentrate that readily dilutes in water, with exceptional storage stability even after dilution. Products formulated with Thetaguard HS-3000 meet all current VOC regulations.

Formulary

Dilute 1 part Thetaguard HS-3000 in 6-9 parts water before applying.

Thetaguard HS-3000 is not recommended for use on acid sensitive stone such as polished marble and limestone. With pH on the acid side, HS-3000 use may result in etching of acid sensitive stone.

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 if it has not penetrated after 15-20 minutes to avoid hazing from over-application of the product.

Typical Properties

PROPERTY	VALUE
Appearance	Pale yellow to light brown liquid
Odor	Mild
Ionic character	Cationic
Water solubility	Dispersible
Actives, %	20
pH (as is)	2.9-5.9
Density@25°C	1.10±0.02 g/ml
Boiling Point	100°C
Flash point	None (aqueous)
Storage	Protect from freezing
Shelf life	12 months

Packaging and Handling

Thetaguard HS-3000 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-3000, 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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