



Thetaguard™ FA-1000

Water-based Additive for Coatings

Overview

- Aqueous-based additive for coatings
- Provides oil repellency to latex paints, especially flats and eggshells
- Improves Dirt/Soil Pick-up Resistance (DPR)
- Improves cleanability for oily dirt
- Will not interfere with recoat adhesion or water repellency
- Wetting agent for printing inks
- Wetting agent for polar solvent-based coatings
- Short-chain fluorochemical technology (meets the goal of the US EPA 2010/2015 PFOA Stewardship Program)

Applications

- Aqueous-based repellent additive for latex paints, especially flats and eggshells
- Aqueous-based additive for improved cleanability for latex paints, especially flats and eggshells
- Aqueous-based additive for improved DPR (Dirt Pick-up Resistance) for latex paints
- Wetting agent for printing inks
- Wetting agent for polar solvent-based coatings
- Wetting agent for aqueous-based coatings
- Wetting agent for varnishes

Technical Information

Thetaguard FA-1000 is a nonionic, aqueous-based product which is used as a coatings additive.

Thetaguard FA-1000 can be used to provide oil repellency in latex paints such as flats and eggshells.

The product can also improve the Dirt/Soil Pick-up Resistance (DPR) of coatings, improve wash durability, as well as improve cleanability of coatings.

Thetaguard FA-1000 can function as a wetting agent in printing inks and other coatings.

Formulary

Mix well before using.

The optimum use level should be determined for each type of coating and the specific application.

Thetaguard FA-1000 can be diluted with water.

A starting point of 0.1-0.3% (Active Ingredient) is suggested for uses including wetting, improved cleanability, and improved wash durability.

For DPR (Dirt Pick-up Resistance), higher loading levels will be required, estimated at 2-3X higher.

The combination of anionic fluorosurfactant Thetawet FS-8250 and nonionic Thetaguard FA-1000 can provide optimal DPR performance.

Thetaguard FA-1000 is soluble in polar solvents: propylene glycol and diethylene glycol. It is somewhat soluble in IPA.

Typical Properties

PROPERTY	VALUE
Appearance	Clear to slightly hazy, translucent liquid, colorless to pale yellow
Odor	No odor
Water Solubility	Dispersible in water
Solids, %	32 to 34
pH	5.0 to 7.0
Density@25°C	1.08 ± 0.02 g/ml
Boiling Point	Approx. 212°F (100°C)
Flash point	>200°F (93°C)
Storage	Freeze/Thaw stable. Store at temperatures not to exceed 50°C/122°F.
Shelf life	12 months

Packaging and Handling

Thetaguard FA-1000 is available in:
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.

DOT Classification: Not regulated

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.

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