



# 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 an 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 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.

# Theteguard FA-1000

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