Substrate wetting additive

SURFYNOL® 440

DESCRIPTION

SURFYNOL® 440 is a very good substrate wetting agent that offers good foam control with a moderate solubility in aqueous systems. It is suitable for waterborne coatings and inks.

KEY BENEFITS

- low-foam, dynamic surface tension reduction
- good wetting of low-energy and/or contaminated substrates
- suitable for food contact compliant formulations

EFFECT

Substrate wetting

Anti-crater effect

Flow promotion

Defoaming

Reduction of static surface tension

Reduction of dynamic surface tension

SUITABILITY

waterborne	solventborne
●	●
2-pack 100%	**radiation-curing**
●	◐
pigmented coatings	**clear coatings**
●	●

○ not suitable ◐ partly suitable ● suitable

TYPICAL APPLICATIONS

- General industrial coatings
- Wood coatings
- Architectural paints
- Printing Inks

TECHNICAL DATA

active matter content	100 %
appearance	clear colored liquid
chemical description	ethoxylated acetylenic surfactant
solvent	-

SOLUBILITY

Water	Ethanol
○	●
TPGDA	**Acetone**
●	●
Butylacetate	**Mineral Spirits**
●	●

○ not soluble ◐ partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.1 - 1.5 %

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied or as a predilution is possible.
- Can be introduced in the grind and let-down stage.

HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 60 months from the date of manufacture.
- Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is normally freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

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Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com

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