

SURFATA[®] MR 1050

Composition

Hydrophobically Modified Polyethylene Oxide Urethane Polymer

Application

SURFATA[®] MR 1050 associative thickener (HEUR) designed for use in water-borne systems, provides efficient thickening in the high-shear range (ICI viscosity) and also improves mid-shear (KU viscosity) without the need for a secondary thickener.

Typical Properties

Appearance, 25 °C	White liquid
Non-volatile matter, %	20
viscosity Brookfield, cP	4000
Flashpoint, °C	> 100
Density, 25 °C (g/ml)	1,03

Values indicated in this data sheet describe typical properties and do not constitute specification limits. Please refer to product spec sheet.

Application Areas

- Architectural coatings
- Industrial coatings
- Print Inks
- Wood coatings
- Adhesives and sealants

Features and Benefits

Rheology modifier	Low shear viscosity KU	High shear viscosity KU ICI	Flow and levelling	Roller spatter resistance	Anti-settling resistance	Water and mechanical resistance
SURFATA[®] MR 1050	2	5	5	5	3	4

- Gives ideal viscosity at high-shear rates and improves mid-shear-rate viscosity.
- Excellent balance of sag and leveling.
- Excellent finished paint appearance.
- Excellent brush/drag, film build, spatter resistance.
- Excellent flow and levelling.
- Use over a wide pH range.
- Resistant to microbial and enzymatic attack.

SURFATA[®] MR 1050

Incorporation and Dosage

SURFATA[®] MR 1050 can be incorporated during any stage of the production process, but incorporation at the end of the process is recommended.

% additive based upon total formulation	0,5 – 4,0
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Transport and Storage

Keep in a dry, cool and well-ventilated place. Keep product away from heat and sources of ignition. Store in original containers.

Safety and Handling

Please refer to product MSDS.

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