

DENSURF SM 220

Surface Modifier

PRODUCT DESCRIPTION

Densurf SM 220 is a silicone-free surface modifier developed for water-based systems.

- Improves the compatibility between the base paint and the color pastes.
- Enhances the wetting and spreading of paint by reducing the surface tension of the coating.

APPLICATIONS

- Architectural Coatings

SOLUBILITY

Water	<input type="radio"/>	Aliphatic Hydrocarbon	<input type="radio"/>
Ethyl Alcohol	<input checked="" type="radio"/>	Butyl Acetate	<input type="radio"/>
Butyl Alcohol	<input checked="" type="radio"/>	Xylene	<input type="radio"/>
Acetone	<input type="radio"/>	Butyl Glycol	<input type="radio"/>
<input checked="" type="radio"/> Soluble	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Not Soluble
	<input type="radio"/> Partly Soluble		

STORAGE

- Store between 5°C - 35°C.
- The shelf life is at least 60 months in the unopened original packaging from the date of manufacture when stored at recommended conditions.
- Close the packaging cap tightly after use.
- WARNING! Densurf SM 220 is in waxy form at cold weather (below 15°C). This will not affect performance of product. It can be heated before use.
- WARNING! Keep away from acids, heat and moisture.

TECHNICAL PROPERTIES

- Chemical Structure: Functional ester
- Appearance: Yellowish waxy liquid
- Ionic Structure: Non-ionic
- Hydroxyl Value: 63.00 ± 5.00 mg KOH/g
- pH (5% Solution by weight, 25°C): 6.50 ± 1.50

SYSTEMS

Emulsion Resins	<input checked="" type="radio"/>	Water-borne Resins	<input checked="" type="radio"/>
Solvent-based Resins	<input type="radio"/>	Solvent-free Resins	<input type="radio"/>
<input checked="" type="radio"/> Suitable	<input type="radio"/>	<input type="radio"/> Partly Suitable	<input type="radio"/> Not Suitable

DOSAGE

Recommended amount; 0.10 - 1.00% (by weight as supplied based on total formulation)

Note: Amounts mentioned above are just a recommendation. Please make laboratory tests to specify the optimum amounts.

PROCESS RECOMMENDATION

- Store at room temperature to ease the dosing because it has waxy form.
- Product can be incorporated during any stage of the production process.
- Improve compatibility of the system when it is added at the grinding stage.