

EDAPLAN[®] LA 451

TECHNICAL INFORMATION

Wetting and leveling agent for aqueous systems

Composition:	Special anionic ester in ethanol/water, free of silicone	
Appearance:	liquid	
Colour:	yellowish	
Typical Properties:	Active ingredients:	approx. 68 %
	Consistency:	low viscosity
	Density at 20°C:	approx. 1.02 g/cm ³
	Flash point:	approx. 27 °C
	pH (2% in dist. water):	approx. 5.5
	Surface tension: (1% in water)	approx. 27.0 mN/m

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications: EDAPLAN LA 451 reduces the surface tension of aqueous systems without increasing the foam formation. Thus substrate wetting, leveling and gloss are improved. EDAPLAN LA 451 is free of silicone and has no adverse effects on recoatability. This additive is compatible with all common resin systems.

Advantages of using EDAPLAN LA 451

- Gloss improvement and reduction of haze
- Prevention of surface defects like craters and Bénard cells
- Improvement of substrate wetting
- No increase in foam
- Good recoatability

Main application areas

- Architectural Coatings
- Wood and furniture coatings
- Automotive OEM and repair coatings
- Industrial Coatings
- Printing inks and overprint varnishes

Recommended levels/use: To improve substrate wetting and leveling properties the normal dosage ranges from 0.1 to 1.0 % as supplied on total formulation. A ladder study is recommended to determine optimum concentration level. EDAPLAN LA 451 can be added at any stage of the manufacturing process. Post-addition is possible too.

Storage/handling: EDAPLAN LA 451 is not sensitive to freezing. For better handling it should be stored between 15 and 25 °C. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Drums holding 110 kg net and kegs holding 25 kg net.