

EDAPLAN® LA 402

TECHNICAL INFORMATION

Leveling agent for aqueous and solvent-based systems

Composition: Acrylic polymer in ethylene glycol mono butyl ether, free of silicone

Appearance: liquid
Colour: yellowish, clear

Typical Properties:

Active ingredients:	approx. 50 %
Consistency:	low viscosity
Density at 20°C:	approx. 0.99 g/cm ³
Flash point:	approx. 50 °C
pH (2% in dist. water):	approx. 4.5
Acid value:	55 mg KOH/g
Surface tension:	approx. 35.6 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 402 is suitable for all aqueous and solvent-based coating and printing ink systems. It is supplied as water insoluble acid and has to be neutralized before use. The polymer is compatible with all common resin systems.

Advantages of using EDAPLAN LA 402:

- Improves gloss and reduces haze
- Non-silicone
- Water resistance is not affected
- Prevents surface defects

Recommended levels/use: Ladder studies are recommended to determine optimum levels. To improve leveling of paints the normal dosage ranges from 0.5 to 3.0 % on total formulation. In highly alkaline aqueous systems direct addition as supplied is possible. In other systems EDAPLAN LA 402 is added preferably in a neutralized form.

Neutralizing of 100 g EDAPLAN LA 402 requires:
3.6 - 4.2 g NaOH or 6.6 - 8.0 g NH₃ (25 %)
A volatile neutralizer is preferred for best water resistance properties.

Storage/handling: EDAPLAN LA 402 is not sensitive to freezing, but for better handling it should be stored between 15 and 25 °C. The product is an inflammable liquid of danger class A III and must be stored accordingly. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Totes holding 1000 kg net, drums holding 200 kg net and kegs holding 25 kg net.