



DISPARLON® RE-8000

Thixotropic agent

TECHNICAL DATA SHEET

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DISPARLON® RE-8000 is a powdered thixotropic agent based on amide wax.

DISPARLON® RE-8000 should be activated by dispersing it into the intended system under heat, causing the powder to swell and form fibrils. These fibrils build up a network structure, imparting thickening, anti-sagging, and anti-settling properties to the system.

DISPARLON® RE-8000 shows very high shear resistance during activation and is particularly effective in the case that the activation process cannot avoid high shear rate, high temperature, or prolonged processing times.

TYPICAL PROPERTIES

The following figures are typical properties, not to be used for specification.

Appearance	White to light yellow fine powder
Melting point	Approx. 139 °C
Acid value (mgKOH/g)	Max. 7.0
Amine value (mgKOH/g)	Max. 7.0
Particle size	Max. 15 µm
Apparent density	0.16 g/cm ³

ADVANTAGES

- 100% active powder (contains no solvent)
- Stable thixotropic performance even under sever activation conditions such as high shear
- Excellent recoatability

APPLICATION

DISPARLON® RE-8000 can be applied to general synthetic resin coatings, especially to the solvent-borne epoxy and acrylic resin coatings such as marine coatings and heavy-duty anti-corrosion coatings.

INCORPORATION

Addition levels

0.5–2.0 wt% on total formulation.

The optimum additive level should be determined under actual use conditions.

Equipment

Sand mil and high-speed dissolver are recommended because they can control shear and temperature simultaneously.

Method

Grind with the mill base at 60–80°C.

In case it is difficult to achieve the temperature suggested above, the addition of 1–2% of alcohol to the paint will lower the activation temperature.

The optimum dispersing temperature, time, and shear conditions should be determined under actual use conditions.

After the dispersion process, avoid applying further shear during cooling.



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