Kusumoto Chemicals, Ltd.

DISPARLON® 6700

Thixotropic agent for solvent-borne systems

TECHNICAL DATA SHEET
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DISPARLON® 6700 is a powdered thixotropic agent based on amide wax for heavy-duty coatings.
DISPARLON® 6700 is activated in coating systems by applying shear to the mixtures and provides thickening, anti-sagging, and anti-settling properties. DISPARLON® 6700 is especially suitable for epoxy systems containing polar solvents, where the performance is stable and less dependent on temperature.

TYPICAL PROPERTIES

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

Appearance	White powder
Melting point	135 °C
Acid value (mgKOH/g)	Max. 7.0
Amine value (mgKOH/g)	Max. 7.0
Particle size	Max. 20 μm
Apparent density	0.20 g/cm^3

ADVANTAGES

- Excellent thickening, anti-sagging, and anti-settling properties
- Effective in epoxy systems with polar solvents
- 100 % active, resulting in better cost performance
- No seeding in paints during storage
- Excellent recoatability

APPLICATION

DISPARLON 6700 is recommended for solvent-based heavy-duty paints, specifically for epoxy primers, chlorinated rubber primers and alkyd primers.

INCORPORATION

Addition levels

0.5–3.0 wt% on total formulation.
The optimal additive level should be determined under actual use conditions.

Method

Adjust the temperature in the range of 40–70 °C.
Addition using a sand mill and high-speed dissolver is recommended.
If it is difficult to achieve the suggested temperature range, adding 1-2 wt% of isopropyl alcohol to the paint formulation will lower the activation temperature of DISPARLON® 6700.

Kusumoto Chemicals, Ltd.
Kusumoto Bldg. 1-11-13 Uchikanda Chiyoda-ku Tokyo,
101-0047 Japan
TEL +81-3-3292-8685
https://www.kusumoto.co.jp/en/