



DISPARLON[®] A694-MF

Methanol-free Anti-sagging / Anti-settling agent for solvent-borne systems

TECHNICAL DATA SHEET

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DISPARLON[®] A694-MF is a thixotropic agent based on pre-activated amide wax. It can be easily incorporated into a wide range of vehicles and/or solvents and provides exceptionally strong and long-lasting thixotropic properties. DISPARLON[®] A694-MF delivers performance equivalent to DISPARLON 6900-20X, while containing no methanol.

TYPICAL PROPERTIES

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

Appearance	Light yellow paste
Non-volatile matter	20 wt%
Solvent	Xylene / Ethanol

ADVANTAGES

- Provides strong anti-sagging and anti-settling performance.
- Shows little or no seeding and has minimal effect on gloss and weather resistance.
- Requires no precise temperature control or pre-gel preparation for activation.
- Contributes to improved orientation of metallic pigments in wet film.
- Compatible with a wide range of resins.

APPLICATION

DISPARLON[®] A694-MF can be used in almost all solvent-borne synthetic resin coatings. It is particularly recommended for heavy-duty coatings such as epoxy, tar/epoxy, urethane, chlorinated rubber, vinyl, unsaturated polyester, acrylic as well as baking enamels such as acrylic/melamine for automotive topcoats.

INCORPORATION

Addition levels

The recommended dosage level based on the total formulation is 1.0–5.0 wt% for anti-sagging and 0.5–2.0 wt% for anti-settling.

However, the dosage level may fall outside these ranges depending on the formulation.

The optimal level should be determined under actual use conditions.

Method

Incorporation using a high-speed dissolver is recommended.

Dispersing temperature

The amide component may form particles if it dissolves into the formulation and subsequently precipitates during the dispersing process. To prevent particle formation, the standard dispersing temperature should be between room temperature and 50 °C. Care should be taken with the dispersing temperature, as particles may form at the upper end of this temperature range if the formulation contains a large amount of polar solvent.

STORAGE

Particles may form in the paste during storage at temperatures below 15 °C due to crystallization of the ingredients. In such cases, please warm the container in a heating chamber at 35 °C to 40 °C for 24 to 48 hours immediately before use.

CAUTION

Recoatibility should be checked, especially in alkyd-melamine or oil-modified alkyd baking systems.



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