

TECHNICAL DATA SHEET

CRAYVALLAC® LA-250

Liquid urea rheology modifier for post addition to low polarity solvent based coatings

Urea urethane

TYPICAL CHARACTERISTICS

Nature	Urea urethane
Appearance	Clear liquid
Solid Content (%)	45
Active Content (%)	45
Solvent	DMSO
Color	7 max (Color Gardner)
Viscosity	300-700 (Viscosity (mPas) at 10000s-1 @25°C)

DESCRIPTION

CRAYVALLAC® LA-250 is a modified urea dissolved in DMSO and is a pourable liquid rheology modifier for post addition to low polarity solvent based coatings. CRAYVALLAC® LA-250 should be added to the coating as a slow stream under low to medium shear conditions to ensure sufficient dispersion. Although efficient stirring is required to ensure homogeneity, elevated temperatures are not required for activation and the use of excessive shear should be avoided.

RECOMMENDED ADDITION LEVEL

0.5-2.0% under low shear dispersion, post-addition.

STANDARD PACKAGING

Other packaging may be available upon request

- 200 Kg Drum
- 25 Kg Pail

HANDLING & STORAGE

It should be stored in the original containers in a dry place at temperatures between 20°C (68°F) and 30°C (86°F). Use corrosion-resistant storage tanks and piping. Avoid exposure to direct sunlight or frost. Containers must be tightly closed after use to exclude moisture. The absorption of moisture will result in the premature crystallization of the modified urea. In these conditions, this product should be used within 12 months from production.

PROCESSING INSTRUCTIONS

CRAYVALLAC® LA-250 should be added to the coating as a slow stream under low to medium shear conditions to ensure sufficient dispersion. Although efficient stirring is required to ensure homogeneity, elevated temperatures are not required for activation and the use of excessive shear should be avoided.

MARKETS

Coatings & Inks

- Architectural Coating
- Graphic Arts
- Industrial Coating
- Textile & Leather Coating

Adhesives & Sealants

- Assembly
- Other Adhesives

KEY BENEFITS

FORMULATION

- Easy handling
- Post addition
- Ready to use



STORAGE

- Antisettling
- In-can appearance
- Syneresis resistance
- Viscosity stability



APPLICATION

- Brushability
- Rollability
- Temperature resistance



FILM PROPERTIES

- Gloss
- Levelling
- Transparency



SAFER SOLUTIONS

- APEO Free*

* Not intentionally added but not specifically measured (not part of product specification)

THICKENING MECHANISM

Non Associative



VISCOSITY CONTRIBUTION

Low Shear contribution
Mid Shear contribution



CRAYVALLAC® LA-250

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

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