

Industrial Coatings

Technical Data Sheet

Luhydran[®] S 938 T



Product Description	Luhydran [®] S 938 T is APEO-free, crosslinkable emulsion for decorative wood composites or heat-curing coatings and two-pack polyurethane interior applications.
Key Features & Benefits	<ul style="list-style-type: none">- APEO free, ecological- OH functional- Good chemical resistance- Good water resistance- Good block resistance- Resistant to bleeding (hydrolysis)
Chemical Composition	Hydroxylic acrylic/methacrylic/styrene anionic emulsion

Properties

Typical Characteristics	Appearance	white emulsion
	Solids	~ 45% by wt
	pH	~ 2.0
	Viscosity at 23°C	~ 25 cps
	Density	1.06 g/ml
	MFFT	~ 60°C
	Freeze-thaw stable	No
	OH value (calculated on solids)	~ 100 mg KOH/g

These typical values should not be interpreted as specifications.

Applications

Luhydran[®] S 938 T is APEO-free, crosslinkable emulsion that can be crosslinked with aliphatic polyisocyanates like Basonat[®] HW 100 for two-pack polyurethane finishes.

Luhydran[®] S 938 T can be used for industrial heat-curable coatings, for example furniture laminates or other substrates.

Coatings formulated with Luhydran[®] S 938 T are hard, lightfast, and provide block and chemical resistance.

Luhydran[®] S 938 T is recommended for applications such as:

- Interior wood coatings for furniture or millwork applications
- General purpose and commercial interior coating applications

Formulation Guidelines Since Luhydran[®] S 938 T is a shear-stable product, pigments can be dispersed into it. Dispersing agents are recommended in most formulations.

The method and sequence of manufacture can affect the properties of the coating (viscosity, foaming behavior, and gloss). Luhydran[®] S 938 T has a film forming temperature of over 60°C; therefore using a coalescing solvent is essential. The minimum film forming temperature can be reduced by adding typical co-solvents or amino resins.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Luhydran® S 938 T.

Important

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U.S & Canada

BASF Corporation
24710 W Eleven Mile Road
Southfield, MI 48033
ph: 1(800) 231-7868
fax:1(800) 392-7429
Email: Custserv_charlotte@basf.com
Email: edtech_info@basf.com
www.basf.us/dpsolutions

Mexico

BASF Mexicana, S.A. de C.V.
Av. Insurgentes Sur # 975
Col. Ciudad de los Deportes
C.P. 03710
Mexico, D.F.
Phone: (52-55) 5325-2756
Fax: (52-55) 5723-3011