

Sovermol® 830



general

Sovermol® 830 is a polyol used in the manufacturing of polyurethanes

- Functionality approx. 2.9
- Low viscosity universal polyol
- Excellent self-leveling properties
- > 90% green raw material content
- Extremely hydrophobic
- Good bonding properties
- The Monomere and other starting materials of Sovermol® 830 are listed in the "Guideline for Sanitary Assessment of Organic Coatings in Contact with Drinking Water", dated: June 17th, 2013 of the Umweltbundesamt with its specific limits
- Raw materials are in compliance with the French positive lists mentioned in the circular n ° 2000/232 dated 2th April 2000 and used for the assessment of products intended to come into contact with drinking water in France

The product might be slightly cloudy - this does not affect the product properties in a negative way.

chemical nature

Branched oleochemical polyether /ester

Properties

physical form

Yellow, low viscosity fluid

shelf life

When stored under the usual appropriate storage conditions, the product can be stored for at least 2 years.

typical properties (no supply specification)

Water content (ISO 4317)	< 0.15%
Acid number (ISO 660)	< 3.0 mg KOH/g
Hydroxyl number (ISO 4326)	231 – 251 mg KOH/g
Viscosity (dynamic) (25 °C) (ISO 2555)	750 – 1000 mPa·s
Density (25 °C) (ISO 2811-3)	0,94 - 1,02 g/cm ³

Application

In combination with Polymer MDI Sovermol® 830 can be used for the production of 2-pack coating and casting materials. Due to the hydrophobic properties and its low viscosity, this material is therefore eminently suitable for 2K PU Flooring compounds with excellent self-leveling properties.

In addition, Sovermol® 830 shows particular water repellency, which results in less sensitivity to moisture while curing.

Application example (without filler)

100 g Sovermol® 830

5 g Zeolith paste

58 g Polymer MDI*

*e.g. Lupranate M 20 S – BASF Polyurethanes

Gel time at 23°C approx. 55 min (30g mass).

Shore hardness (ISO 868) (storage/room temperature)

	A	D
after 1 day	70	25
after 2 days	85	39
after 3 days	-	-
after 7 days	-	-
after 14 days	96	63
after 28 days	100	65

Dispersing recommendation:

100 g Sovermol® 830

7.5 g titane dioxide (e.g. Sachtleben RKB2 or Kronos 2360)

1.0 g Efka® FA 4672

Efka® FA 4672 (solvent-free wetting and dispersing agent for reactive resins; specially designed for inorganic pigments and fillers in epoxy-, UPE- and PUR-full solid systems; provides excellent viscosity reduction) showed the lowest sedimentation tendency with regard to dispersing for Sovermol® 830

Registration / Regulatory Information

Regulatory Status

AICS (Australia)	<input checked="" type="radio"/>	
ENCS (Japan)	<input checked="" type="radio"/>	
EU (Europe)	<input checked="" type="radio"/>	
DSL (Canada)	<input checked="" type="radio"/>	
KECI/ECL (Korea)	<input checked="" type="radio"/>	
TSCA (USA)	<input checked="" type="radio"/>	
IECSC (China)	<input checked="" type="radio"/>	
PICCS (Philippines)	<input checked="" type="radio"/>	
	<input checked="" type="radio"/>	Yes
	<input type="radio"/>	No

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Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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