SUPERDUR-HS-ES-CHASSISLACK 6D833-50

Series 6D833-50 · Silk-matt 2K PUR high-solids single-coat/chassis enamel with active corrosion protection for commercial-vehicle chassis

01 PRODUCT DESCRIPTION

Superdur-HS-ES-Chassislack 6D833-50 is a silk-matt two-component PUR high-solids single-coat / chassis enamel with active corrosion protection (zinc phosphate) for the high-quality coating of commercial-vehicle and truck chassis. It can be applied at high film build, is highly UV- and weather-resistant as well as scratch- and solvent-resistant and can, with a suitable hardener and thinner, also be applied electrostatically.

02 PRODUCT PROPERTIES

Binder system	Polyurethane-acrylic system
Hardener system	Superdur HS Hardener 7D701 (standard) | 7D700 (short) | 7D702 (long) | 7D703 (extra long, roller/brush)
Adjustment thinner	Bergolin Thinner 5D402 | 5D411
Cleaning thinner	Bergolin Thinner 5D402 | 5D411
Characteristics	Active corrosion protection · UV/weather-resistant · Scratch-resistant · High-build · Electro-static
Color shade	Various RAL shades (on request)
Gloss	Silk matt, 50–60 GU (60°)
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C	Approx. 1.450 g/cm³ *1	Approx. 1.05 g/cm³ *2	Approx. 1.36 g/cm³ *2
VOC content · IE Directive 2010/75/EU	Approx. 353.8 g/l *1	Approx. 478 g/l *2	Approx. 381 g/l *2
Solid content (wt.-%) · SDS	Approx. 75.6 % *1	Approx. 54.1 % *2	Approx. 72.0 % *2
Flow viscosity · DIN EN ISO 2431 · +20 °C	Thixotropic	Approx. 12 s (4 mm) *2	Depending on application

*1 *Data refer to clear (unpigmented) material and vary depending on the colour shade* *2 *Values for comp. B and mixture with Superdur HS Hardener 7D701 (standard hardener)*

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03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	Steel, aluminium, galvanised steel (further substrates on request)
Surface preparation	The substrates must be dry, clean and free from grease, oil, dust, scale and other contaminants. **Steel:** Surface preparation to EN ISO 12944 (e.g. blast-cleaning or manual/mechanical de-rusting). **Aluminium:** Clean, degrease and abrade or sweep-blast. **Galvanised steel:** Clean, degrease and sweep-blast. Due to the large variety of substrates and their manufacturing processes, a preliminary test should be carried out on the respective substrate to ensure that the pretreatment is sufficient for perfect adhesion. For information on the substrate and its preparation, observe the manufacturer's specifications.
Mixing ratio	With 7D700/7D701/7D702 (airless): 5 : 1 by weight or 4 : 1 by volume | with 7D703 (brushing/rolling): 10 : 1 by weight or 8 : 1 by volume
Mixing	Add the hardener component completely to the base component and mix intensively with an electric stirrer for approx. 1 min. Then add the thinner and mix intensively again for approx. 1 min.
Theoretical consumption	Approx. 160–220 g/m² at 100 µm film thickness *[1]
Application method	Spraying · Roller · Brush *Brushing/rolling only with Superdur HS Hardener 7D703 (e.g. mohair, pile, smooth felt, Rolloplan); foam rollers are not recommended.*
Application conditions	**Application temperature** +10 °C to +30 °C **Relative humidity** max. 80 % **Dew point** Object temperature min. 3 °C above dew point
Pot life[*3]	Depending on hardener 2–6 h
DRYING[*3]	
Dust-dry (TG 1)	Depending on hardener 30–120 min
Tack-free (TG 3–4)	Depending on hardener 2–10 h
Assembly-firm (TG 5–6)	Depending on hardener 12–24 h
Fully cured	Approx. 7 days
Forced drying	Flash-off before oven drying 10 min at +20 °C · object temperature 60 °C · drying time 30 min

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Compatible systems	The product can be combined with numerous other Bergolin products to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

[*3] *Values are based on laboratory measurements at +20 °C; pot life and drying additionally depend on the hardener used. Lower temperatures slow down drying; higher temperatures accelerate it.*

04 NOTE

This product data sheet supersedes all previously published product data sheets. The information contained herein is based on practical experience under standard conditions and assumes proper storage and processing. Substrates, materials and working conditions may vary. Therefore, no warranty or liability can be derived from the information contained in this document or from verbal consultation. It is the buyer's responsibility to verify the product's suitability for the intended use. Preliminary trials are recommended. The relevant legal regulations, the leaflets of the BG RCI and the accident prevention regulations of the responsible employers' liability insurance association must be observed. In all other respects, our General Terms and Conditions of Sale and Delivery apply.

MODIFIED BY
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APPROVED BY
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