

SUPERDUR UNIGRUND 3D800

Series 3D800 · Solvent-borne 2K PUR universal primer with good corrosion protection for steel, zinc/aluminium and stainless steel



01 PRODUCT DESCRIPTION

Superdur Unigrund 3D800, mica brown is a solvent-borne two-component polyurethane universal primer with good corrosion protection for steel, zinc/aluminium and stainless steel. The film can be adjusted to be elastic (7D054) or rigid (7D055) by selecting the hardener. The primer forms an elastic, easily overcoatable basis within the coating system.



02 PRODUCT PROPERTIES

Binder system	Polyurethane
Hardener system	Bergolin PUR Hardener 7D054 (elastic) or 7D055 (rigid)
Adjustment thinner	Bergolin Thinner 5D402
Cleaning thinner	Bergolin Thinner 5D402
Characteristics	Corrosion protection Elastic Multi-substrate Over-coatable
Color shade	Mica brown
Gloss	Matt to satin gloss
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. 1.55 g/cm ³	Approx. 1.05 g/cm ³	Approx. 1.48 g/cm ³
VOC content · IE Directive 2010/75/EU	Approx. 514 g/l	Approx. 265 g/l	Approx. 482 g/l
Solid content (wt.-%) · SDS	Approx. 70 %	Approx. 75 %	Approx. 70 %
Viscosity · DIN EN ISO 2555 / ISO 2431 · +20 °C	Approx. 3,300 mPas	Approx. 37 s (4 mm)	Approx. 2,500 mPas

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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, zinc/aluminium, stainless steel (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. Steel: Surface preparation to EN ISO 12944-4; free from weld spatter, pores, overlaps, burrs, grease, oil and dirt. Blast-clean to Sa 2½. Zinc/aluminium: Abrade or sweep-blast. Pretreatment of other substrates on request.
Mixing ratio	100 : 10 with PUR Hardener 7D054 (elastic) or 7D055 (rigid)
Theoretical consumption	Approx. 290 g/m² at 100 µm dry film thickness
Application method	 Brush  Roller  Airless
Application conditions	 Application temperature > +5 °C (above +20 °C accelerated curing)  Relative humidity < 80 %  Dew point Object temperature min. 3 °C above dew point
Pot life ^{*1}	Approx. 4 h
Recoating interval (with itself) ^{*1}	Min. 18 h max. 31 d
DRYING^{*1}	
Dust-dry (TG 1)	Approx. 3 h
Through-dried (TG 7)	Approx. 9 h (at 100 µm wet film thickness)
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
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.

^{*1} Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.

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**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.

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