

Steodur PUR Vergussmasse 2D796

Series 2D796 · Solvent-free 2K PUR casting compound with low exotherm and low shrinkage for potting cavities



01 PRODUCT DESCRIPTION

Steodur PUR Vergussmasse 2D796 is a solvent-free two-component polyurethane casting compound for potting cavities and for static balancing. The formulation is distinguished by a particularly low exotherm during curing as well as extremely low shrinkage, allowing even complex geometries to be filled precisely and with low stress. After full curing, the casting compound achieves high mechanical loadability and very good ageing resistance. It is therefore ideally suited for durable, dimensionally accurate potting and filling applications – for example in electrical engineering, mechanical engineering or the balancing of GRP components.

02 PRODUCT PROPERTIES

Binder system	Polyurethane		
Hardener system	Steodur PUR Hardener 7D202-SW		
Cleaning thinner	Superdur Thinner 5D402		
Characteristics	 Solvent-free	 Low exotherm	 Low shrinkage
Color shade	Transparent beige		
Gloss	Glossy		
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 * ¹	Approx. 1.22 g/cm ³	Approx. 1.11 g/cm ³	Approx. 1.18 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 0 g/l	Approx. 0 g/l	Approx. 0 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity · DIN EN ISO 2555 · +20 °C * ¹	Approx. 6,200 mPas	Approx. 4,500 mPas	Approx. 3,000 mPas

*¹ Depending on color shade

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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	GRP (further substrates on request)
Surface preparation	Before processing, sufficient load-bearing capacity must be ensured.
Mixing ratio	100 : 60 by weight (with hardener 7D202-SW)
Theoretical consumption	Approx. 1.18 kg/m ² at 1000 µm dry film thickness
Application method	 Casting
Application conditions	 Application temperature +10 °C to +35 °C  Relative humidity 20–80 %
Working time ^{*2}	Approx. 25 min (200 g)
DRYING^{*2}	
Fully loadable (mech. & chem.)	Approx. 7 d

^{*2} Values are based on laboratory measurements at +20 °C. 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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