

STEOPOX 240 6E240

Series 6E240 · Solvent-free 2K epoxy liquid plastic for heavy-duty concrete coatings



01 PRODUCT DESCRIPTION

Steopox 240 6E240 is a solvent-free, pigmented two-component epoxy liquid plastic for high-quality, extremely mechanically and chemically resistant coatings of concrete surfaces indoors and outdoors; it can also be applied to steel. The coating forms a dense, easy-to-clean surface and is suitable for decontamination.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin		
Hardener system	Bergolin EP Hardener 7E240		
Cleaning thinner	Bergolin Thinner 5E403		
Characteristics	 Solvent-free	 Chemically resistant	 Mechanically resistant
Color shade	Approx. RAL 7032 (further shades on request)		
Gloss	Glossy		
Shelf life	Approx. 12 months (comp. A) / approx. 6 months (comp. B) in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.		
Mechanical resistance	Breaking stress 53 N/mm ² flexural strength 59 N/mm ² abrasion to ASTM D 4060: 24 mg (CS10/1000 g/1000 rev.)		
Chemical resistance	Resistant to solvents, acids, alkalis, petrol, oils, tar, waste water and salt water (further media on request)		
Thermal resistance	Up to approx. +80 °C dry heat, short-term approx. +120 °C up to approx. +40 °C moist heat and water		
Electrical resistance	> 10 GΩ		

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C * ¹	Approx. 1.65 g/cm ³	Approx. 1.02 g/cm ³	Approx. 1.42 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 0.8 g/l	Approx. 0 g/l	Approx. 0.55 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 99.95 %	Approx. 65.00 %	Approx. 92.96 %
Viscosity · DIN EN ISO 2555 · +20 °C	Approx. 8,000 mPas	Approx. 400 mPas	Approx. 1,500 mPas

*¹ Depending on colour 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	Steel, zinc, aluminium, cement concrete/screed (further substrates on request)
Surface preparation	Steel: Surface preparation to EN ISO 12944-4; free from weld spatter, pores, overlaps, burrs, grease, oil and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm. Primer: 1 × 30 µm Tenaxon T 569, consumption approx. 100 g/m² at 30 µm dry film thickness. Zinc/aluminium: Clean and sweep-blast. Primer: 1 × 30 µm Tenaxon T 569, consumption approx. 100 g/m² at 30 µm dry film thickness. Cement concrete/screed: Firm, clean and free from grease, oil, wax, sand, dust and other release-acting substances; well-keyed, load-bearing, free from loose or sanding particles and standing water. Optional primer Steopox 220 (2E220).
Mixing ratio	4 : 1 by weight 2.5 : 1 by volume
Mixing	Add the hardener component completely to the base component and mix intensively with an electric stirrer for approx. 2 min. Transfer into a clean container and mix thoroughly again.
Theoretical consumption	Approx. 142 g/m² per 100 µm dry film thickness
Application method	 Trowel  Roller
Application conditions	 Application temperature +8 °C to +30 °C air temperature  Relative humidity max. 85 %  Dew point Object temperature min. 3 °C above dew point
Pot life ^{*2}	Approx. 55 min
Working time ^{*2}	Approx. 45 min
Recoating interval (with itself) ^{*2}	Min. 24 h max. 48 h; if exceeded, the surface must be sweep-blasted
DRYING^{*2}	
Dust-dry	Approx. 4 h
Walkable / sandable	Approx. 24 h
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
Compatible systems	Base coat: Tenaxon T 569 (3E569) Base coat: Steopox 220 (2E220) Further applications on request.

^{*2} 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.

MODIFIED BY

07.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

07.09.2026 – Stefan Eisenmenger, Product Management