STEOPOX EP-Spachtel 4E202

Series 4E202 · Mechanically and chemically resistant EP filler for concrete and steel

01 PRODUCT DESCRIPTION

STEOPOX EP-Spachtel 4E202 is a solvent-free, pigmented two-component liquid plastic used as a high-quality, mechanically and chemically highly resistant filler for concrete surfaces indoors and outdoors. It is used in particular for embedding and bonding sockets, concrete walls, PVC pipes and precast concrete elements and can also be applied to steel. Its thixotropic setting allows non-sag application even on vertical surfaces.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Bergolin EP Hardener 7E240, colorless
Cleaning thinner	EP Thinner 5E403
Characteristics	Mechanically high-load-bearing · Chemicalresistant · Solvent-free · Indoor & outdoor
Color shade	Approx. RAL 7030 (further color shades on request)
Gloss	Glossy
Shelf life	12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.
Approvals	Meets the requirements of the test for resistance to biogenic sulphuric acid attack (exposure class XWW4)

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *¹	Approx. 1.84 g/cm³	Approx. 1.06 g/cm³	Approx. 1.55 g/cm³
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. 65 %	Approx. 95 %
Viscosity · DIN EN ISO 2555 · +20 °C *¹	Thixotropic	Approx. 400 mPas	Approx. 100,000 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	Steel, zinc/aluminium, cement concrete/screed (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, mean roughness Rz approx. 50–70 µm (G or working mixture GS). Primer: 1 × 30 µm Tenaxon T 569, consumption approx. 100 g/m² at 30 µm DFT. **Zinc/aluminium:** Clean and sweep-blast. Primer: 1 × 30 µm Tenaxon T 569, consumption approx. 100 g/m² at 30 µm DFT. **Cement concrete/screed:** Surfaces must be firm, clean, free from grease, oil, wax, sand, dust and release agents, with good grip, load-bearing and free from standing water.
Mixing ratio	100 : 18 by weight
Mixing	Stir both components separately and homogenise if necessary. Pour component B into the container of component A and mix with an electric stirrer for at least 3 min at max. 700 rpm. Transfer into a clean container and mix again thoroughly for approx. 1 min.
Theoretical consumption	Approx. 1.55 kg/m² per mm film thickness
Application method	Spatula / trowel
Application conditions	**Air temperature** +8 °C to +30 °C **Relative humidity** max. 85 % **Dew point** min. 3 °C below surface temperature
Working time[*2]	Approx. 40 min
Recoating interval (with itself)[*2]	Min. 7 h | max. 48 h
DRYING[*2]	
Tack-free	Approx. 4 h at +20 °C
Walkable	Approx. 7 h
Fully cured (mech. & chem.)	Approx. 7 days
Compatible systems	Primer: Tenaxon T 569 (3E569). Further applications on request.

[*2] *Low temperatures slow down drying; higher temperatures accelerate it.*

Note on epoxy resin: During curing, epoxy resin is sensitive to moisture. Exposure to moisture may lead to the formation of a carbamate layer (white spots). This has a purely visual effect. Affected areas can be treated with a 10–20 % citric acid solution.

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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
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APPROVED BY
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