STEOPOX EP-Betonkleber 4E206

Series 4E206 · Solvent-free 2K epoxy concrete adhesive for concrete surfaces indoors and outdoors

01 PRODUCT DESCRIPTION

STEOPOX EP concrete adhesive 4E206 is a solvent-free, pigmented two-component liquid plastic used as a high-quality, mechanically and chemically highly resistant adhesive for concrete surfaces indoors and outdoors. It is used in particular for bedding and bonding sleeves, concrete walls, PVC pipes and precast concrete elements and can also be applied to steel. Its thixotropic setting allows stable working even on vertical surfaces. Depending on substrate moisture and required processing time, three hardener variants are available. The adhesive is applied with a trowel and forms a dense, permanently load-bearing bond.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Steopox Hardener 7E206 | Steopox Hardener 7E204 (for damp substrates) | Bergolin EP Hardener 7E240, colorless
Cleaning thinner	EP Thinner 5E403
Characteristics	Mechanically highly resistant · Chemically resistant · Solvent-free · Indoor & outdoor
Color shade	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.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.85 g/cm³	7E206: 1.05 g/cm³ 7E204: 1.03 g/cm³ 7E240: 1.06 g/cm³	Approx. 1.75 g/cm³
VOC content · IE Directive 2010/75/EU *1	Approx. 0 g/l	7E206: 20.6 g/l 7E204: 0 g/l 7E240: 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	Thixotropic	7E206: 500 mPas 7E204: 450 mPas 7E240: 350 mPas	Thixotropic

*1 *Depending on color shade*

03 APPLICATION

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

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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 of weld spatter, pores, laps, burrs, grease, oils and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm. Primer: 1 × 30 µm Tenaxon T 569 (approx. 100 g/m² at 30 µm DFT). **Zinc/aluminium:** Degrease, mechanically roughen or sweep-blast. Primer: 1 × 30 µm Tenaxon T 569 (approx. 100 g/m² at 30 µm DFT). **Cement concrete/screed:** Solid, clean, textured and load-bearing; free of grease, oil, wax, sand, dust, release agents and standing water. **Optional** primer: Steopox 220 (approx. 300–500 g/m² depending on absorbency); if required broadcast with fire-dried quartz sand 0.1–0.3 mm.
Mixing ratio	With 7E206: 100 : 7 by weight With 7E204 (damp substrates): 100 : 14 by weight With 7E240: 100 : 10 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. 1.75 kg/m² per mm film thickness
Application method	Trowel
Application conditions	**Air temperature** +8 °C to +30 °C **Relative humidity** max. 85 % **Dew point** min. 3 °C below object temperature
Working time[*2]	With 7E206 / 7E204: > 40 min | with 7E240: > 60 min
Recoating interval (with itself)[*2]	Min. 7 h | max. 48 h
DRYING[*2]	
Tack-free (TG 3)	Approx. 4 h
Walkable	Approx. 7 h | full mech./chem. load capacity after approx. 7 days
Compatible systems	Primer steel and zinc/aluminium: Tenaxon T 569 (3E569) Primer cement concrete/screed: 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.*

At summer temperatures, thickening agent (8R0249) can be added to increase stability.

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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

20.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

20.08.2026 – Stefan Eisenmenger, Product Management