STEOPOX 268 6E268

Series 6E268 · High chemical-resistant, solvent-free 2K epoxy system for chemical-industry storage tanks

01 PRODUCT DESCRIPTION

STEOPOX 268 6E268 is a highly chemical-resistant, solvent-free and non-conductive two-component liquid plastic for the internal conservation of storage tanks in the chemical industry. The system withstands a wide range of aggressive media such as crude oils, fuels, alkalis and dilute acids and provides durable protection of steel, zinc/aluminium and concrete tanks against chemical attack. Thanks to its direct-to-metal property, it can be applied directly onto prepared metal without a separate primer. It is repairable, recoatable and suitable for spray application, enabling economical new coating and refurbishment of tanks and containment areas.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Bergolin EP Hardener 7E248-1, colorless
Cleaning thinner	EP Thinner 5E403
Characteristics	High chemical resistance · Solvent-free · Direct-to-metal · Repairable & recoatable · Sprayable
Color shade	Approx. RAL 7032 (further color shades on request)
Gloss	Glossy
Shelf life	Component A up to 12 months, component B up to 6 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.
Mechanical resistance	Shore D 70
Chemical resistance	Resistant to crude oils, aliphatic hydraulic oils, diesel, petrol, jet fuel, alkaline solutions, alkalis, dilute organic and inorganic acids (further media on request)
Thermal resistance	Up to approx. +100 °C (dry heat), briefly approx. +130 °C | up to approx. +40 °C (moist heat and water)
Electrical resistance	> 10 GΩ (at 1,000 µm)
Container size comp. A	10 kg (further container sizes on request)
Container size comp. B	2.2 kg (further container sizes on request)

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C	Approx. 1.470 g/cm³	Approx. 1.030 g/cm³	Approx. 1.360 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 77.38 g/l	Approx. 140.08 g/l	Approx. 92.36 g/l
Solid content (wt.-%) · SDS	Approx. 95 %	Approx. 87 %	Approx. 93 %
Viscosity · DIN EN ISO 2555 · +20 °C	Approx. 7,000 mPas	Approx. 3,000 mPas	Approx. 4,000 mPas

STEOPOX 268 6E268

Series 6E268 · High chemical-resistant, solvent-free 2K epoxy system for chemical-industry storage tanks

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 of weld spatter, pores, laps, burrs, grease, oils and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm (G or operating mix GS). **Optional** primer: 1 × 30 µm Tenaxon T 569 (3E569), approx. 100 g/m² at 30 µm DFT. **Zinc/aluminium:** Clean and sweep-blast. Primer: 1 × 30 µm Tenaxon T 569 (3E569), approx. 100 g/m² at 30 µm DFT. **Cement concrete/screed:** Surfaces solid, clean, free of grease, oil, wax, sand, dust and release agents, textured, load-bearing, free of loose/sanding particles and standing water. **Optional** primer: Steopox 220 (2E220), approx. 300–500 g/m² depending on absorbency; if required broadcast with fire-dried quartz sand 0.1–0.3 mm.
Mixing ratio	100 : 22 by weight | 100 : 31 by volume
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	136 g/m² per 100 µm WFT | 136 g/m² per 100 µm DFT
Film thickness	Max. 500 µm DFT | max. 500 µm WFT per coat
Application method	Brush / float coater · Airless spray · Trowel
Application conditions	**Air temperature** +8 °C to +30 °C **Relative humidity** max. 85 % **Surface temperature** min. +8 °C **Dew point** min. 3 °C below surface temperature For airless spraying: material and equipment temperature +20 °C to +25 °C.
Pot life[*2]	Approx. 40 min
Working time[*2]	Approx. 30 min
Recoating interval (with itself)[*2]	Min. 16 h | max. 24 h. After the maximum recoating time has elapsed, mechanical surface preparation (e.g. sanding or sweep-blasting) is required.
DRYING[*2]	
Dust-dry (TG 1)	Approx. 6 h
Walkable / sandable	Approx. 16 h
Fully cured (mech. & chem.)	Approx. 3 days

STEOPOX 268 6E268

Series 6E268 · High chemical-resistant, solvent-free 2K epoxy system for chemical-industry storage tanks

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.

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.

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
24.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY
24.08.2026 – Stefan Eisenmenger, Product Management