

STEOPOX AQUA COLOR 2E409

Series 2E409 · Water-borne 2K epoxy resin emulsion for sealing mineral substrates, also in the food industry



01 PRODUCT DESCRIPTION

Steopox Aqua Color 2E409 is a water-borne, pigmented two-component epoxy resin emulsion for sealing mineral substrates, asphalt indoors and magnesite screed surfaces. It is suitable for wall and floor areas and can also be used in the food and beverage industry. The coating is resistant to moderate chemical exposure such as oil, grease, fuels and solvents. As the product is water-borne, it can be applied with low emissions and low odour – an advantage when working in enclosed rooms and in sensitive production environments.

02 PRODUCT PROPERTIES

Binder system	Polyamine adduct		
Hardener system	Steopox Aqua Color 7E774-Farbton		
Adjustment thinner	Max. 5 % water (if required)		
Cleaning thinner	Bergolin Thinner 5E403		
Characteristics	 Water-borne	 Chemically resistant	 Indoor use
Color shade	Approx. RAL 7032 (further shades on request)		
Gloss	Satin gloss		
Shelf life	Approx. 6 months in the unopened original container at +4 °C to +40 °C. Protect from frost.		

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C * ¹	Approx. 1.09 g/cm ³	Approx. 1.35 g/cm ³	Approx. 1.25 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 56.7 g/l	Approx. 62.9 g/l	Approx. 59.0 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 52.7 %	Approx. 62.7 %	Approx. 58.7 %
Viscosity · DIN EN ISO 2431 / ISO 2555 · +20 °C * ¹	Approx. 47 s (4 mm)	Approx. 4,200 mPas	Approx. 1,200 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	Cement concrete/screed, magnesite screed, asphalt (indoors), steel, zinc/aluminium (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. Cement concrete/screed: The surfaces to be coated must be firm, clean, textured and load-bearing as well as free from grease, oil, wax, sand, dust, loose or friable components, standing water and other release agents. Optional primer Steopox 220 (2E220); consumption approx. 300–500 g/m² depending on the absorbency of the substrate, if necessary broadcast with kiln-dried quartz sand of grain size 0.1–0.3 mm. Steel: Surface preparation to EN ISO 12944-4; free from weld spatter, pores, overlaps, burrs, greases, oils and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm. Primer: 1 × 50 µm Superdur Unigrund 3D800; consumption approx. 50 g/m² at 50 µm dry film thickness. Zinc/aluminium: Degrease and mechanically abrade or sweep-blast. Primer: 1 × 50 µm Superdur Unigrund 3D800; consumption approx. 50 g/m² at 50 µm dry film thickness.
Mixing ratio	6 : 4 by weight 6 : 5 by volume with Steopox Aqua Color 7E774-Farbton
Mixing	Add the base component completely to the hardener component and stir intensively with an electric stirrer for approx. 1 minute. Then add the thinner and stir intensively again for approx. 1 minute.
Theoretical consumption	Approx. 150–200 g/m ² of the mixture, depending on surface roughness and absorbency of the substrate
Application method	 Brush  Roller  2K airless spray unit
Application conditions	 Application temperature Air temperature min. +12 °C, surface temperature min. +8 °C  Relative humidity Max. 80 %  Dew point Surface temperature min. 3 °C above dew point
Working time ^{*2}	Max. 90 min
Recoating interval (with itself) ^{*2}	Min. 12 h max. unlimited
DRYING^{*2}	
Dust-dry (TG 1)	Approx. 90 min
Walkable	Approx. 12 h
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days

^{*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

09.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

09.09.2026 – Stefan Eisenmenger, Product Management