

BERGOLIN 2C CONCRETESHIELD 6D1300

Series 6D1300 · Solvent-free, crack-bridging 2K polyaspartic coating for concrete, steel and metal



01 PRODUCT DESCRIPTION

Bergolin 2C ConcreteShield 6D1300 is a solvent-free, CMR-free two-component polyaspartic coating for cement concrete, screed, steel, zinc/aluminium and stainless steel. It cures quickly, is impact- and abrasion-resistant as well as crack-bridging to DIN EN 1062-7 and remains colour-stable without yellowing. This results in a durable, hard-wearing and decorative protective layer suitable for heavily stressed floors and components indoors and outdoors. Its fast curing enables short downtimes and quick return to service.

02 PRODUCT PROPERTIES

Binder system	Polyaspartic			
Hardener system	Bergolin Hardener 7D1300			
Cleaning thinner	Bergolin Thinner 5D402			
Characteristics	 Solvent-free	 Fast curing	 Crack-bridging	 Color-stable
Color shade	Traffic white, approx. RAL 9016 (further shades on request)			
Gloss	Glossy			
Shelf life	Approx. 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. 1.56 g/cm³	Approx. 1.14 g/cm³	Approx. 1.47 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 0 g/l	Approx. 0 g/l	Approx. 0 g/l
Solid content (wt./vol.-%) · SDS *1	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity · DIN EN ISO 2555 · +20 °C	Approx. 7,500 mPas	Approx. 2,000 mPas	Approx. 3,500 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	Cement concrete/screed, steel, zinc/aluminium, stainless steel (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. 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): consumption approx. 300–500 g/m² depending on absorbency; if required, broadcast with kiln-dried quartz sand of grit 0.1–0.3 mm. 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 Tenaxon T 569 (3E569): approx. 100 g/m² at 30 µm dry film thickness. Aluminium/zinc: Degrease and mechanically abrade or sweep-blast. Pretreatment of other substrates on request.
Mixing ratio	100 : 27 by weight 100 : 37 by volume
Mixing	Add the hardener component completely to the base component and mix homogeneously for approx. 2 minutes with an electric stirrer. Transfer into a clean container and mix thoroughly again.
Theoretical consumption	Approx. 735 g/m ² at 500 µm dry film thickness
Application method	 Brush  Roller  Trowel
Application conditions	 Application temperature > +5 °C (above +20 °C accelerated curing)  Relative humidity < 85 %  Dew point Object temperature min. 3 °C above dew point
Working time ^{*2}	Approx. 60 min
Recoating interval (with itself) ^{*2}	Min. 2.5 h
DRYING^{*2}	
Dust-dry (TG 1)	Approx. 1 h
Through-dried (TG 7)	Approx. 5 h (at 500 µm wet film thickness)
Fully load-bearing (mech. & chem.)	After full curing, approx. 3 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 curing; 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

01.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

01.09.2026 – Stefan Eisenmenger, Product Management