STEODUR-SPACHTEL 4D203

Series 4D203 · Solvent-free, thixotropic 2K PUR filler for steel, zinc/aluminium and cement concrete

01 PRODUCT DESCRIPTION

Steodur-Spachtel 4D203 is a solvent-free, thixotropic two-component polyurethane filler for steel, zinc/aluminium as well as cement concrete and screed. It is non-sagging and can be applied at high film build, levels out irregularities and pores and forms a mechanically load-bearing, sound filler layer within the coating system.

02 PRODUCT PROPERTIES

Binder system	Polyurethane
Hardener system	Bergolin PUR Hardener 7D055
Cleaning thinner	Bergolin Thinner 5E402
Characteristics	Solvent-free · Thixotropic · High-build · Mechanically resistant
Color shade	Stone grey, approx. RAL 7030
Gloss	Glossy
Shelf life	Approx. 12 months (comp. A) / 6 months (comp. B) 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	Approx. 1.64 g/cm³	Approx. 1.23 g/cm³	Approx. 1.46 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 0 g/l	Approx. 0 g/l	Approx. 0 g/l
Solid content (wt.-%) · SDS	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity · +20 °C	Thixotropic	Approx. 60 s (4 mm) · ISO 2431	Thixotropic

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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	**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. **Zinc/aluminium:** Clean and sweep-blast. **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.
Mixing ratio	10 : 1 by weight | 7.5 : 1 by volume
Theoretical consumption	Approx. 1.46 kg/m² per 1 mm dry film thickness
Application method	Trowel Filler knife
Application conditions	**Application temperature** +8 °C to +30 °C (above +20 °C accelerated curing) **Relative humidity** < 80 % **Dew point** Object temperature min. 3 °C above dew point
Working time[*1]	Approx. 30 min
Recoating interval (with itself)[*1]	Min. 7 h | max. 48 h
DRYING[*1]	
Tack-free	Approx. 4 h
Walkable	Approx. 24 h
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
Compatible systems	The product can be combined with numerous other Bergolin products to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

[*1] *Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.*

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.

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MODIFIED BY

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APPROVED BY

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