



ARDEX B 10

Concrete thin-coating compound

- Based on ARDEX WSZ Rapid-setting Cement 32.5 R-SF, approval no. Z-3.12-1206
- Plastic-coated
- Extendable to zero without any effort



Area of application

For indoor and outdoor use, walls and ceilings.
 For smoothing, repairing and coating wall and ceiling areas made of concrete components.
 For closing fine cracks and pores in concrete surfaces.
 For finishing after concrete repair work.
 For flush filling and as a substrate for subsequent paint coatings.

Art

Grey powder based on ARDEX WSZ Rapid Cement 32.5 R-SF, approval no. Z-3.12-1206. Plasticised.
 When mixed with water, it forms a smooth, paste-like, stable levelling compound that is easy to apply and hardens through hydration and drying.
 The cement-grey levelling compound surfaces are water- and weather-resistant.

Preparation of the surface

The substrate can be dry or damp, but must be solid, non-slip and free of dust, dirt, paint coatings, plaster residues, lime splashes and release agents.

Loose edges must be removed down to the solid core.

Metals must be protected against corrosion, which also serves as a bonding agent.

Processing

Pour clear water into a clean mixing container and stir vigorously, adding enough powder to produce a smooth, paste-like, lump-free levelling compound.

Approximately 8.5 litres of water are required to mix 25 kg of ARDEX B 10 powder.

The levelling compound can be processed for approx. 30 minutes at +18 to +20°C and can be applied up to 3 mm thick for larger areas.

The compound layer hardens through hydration and drying at normal temperature in approx. 1 hour to such an extent that further processing, for example felting and smoothing with ARDEX B 10, is possible.

Higher temperatures shorten, lower temperatures extend the processing and hardening time.

To match the colour of surrounding concrete surfaces, the cement-grey ARDEX B 10 fine concrete levelling compound can be coloured with cement-compatible colour pigments.

These should first be mixed with water to form a homogeneous paste and then added to ARDEX B 10 fine concrete levelling compound. The colour additive can be up to 3% by weight of ARDEX B 10 powder.

In case of doubt, carry out a test application.

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Manufacturer with certified
 QM/UM system according to
 EN ISO 9001/14001

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ARDEX B 10 Fine Concrete Filler should be applied at temperatures above +5°C.

Aftercare

Once completely dry, ARDEX B 10 can be painted over with lime-resistant paint. The drying time depends on the thickness of the levelling compound applied, the prevailing weather conditions and the moisture content of the substrate. Substrates that are still damp may cause efflorescence.

The processing recommendations given by the paint manufacturers for paint coatings on cement-bound substrates must be observed, regardless of whether the levelling compound is applied over the entire surface or only in certain areas.

Please note

For larger repairs and repair work on concrete or reinforced concrete components, always use concrete or mortar made with ARDEX WSZ Schnellzement 32.5 R-SF, which is approved by the general building authorities.

Note

The information in our safety data sheets must be observed.
For commercial use only!

Zusatzinformation

Handle with care during processing: avoid dust formation and release into the environment.

Dispose of the container and its contents in a sealed state in accordance with applicable local/regional/national/international regulations.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 8.5 l Water 1 Part water	Component B 25 kg powder 2.5 RT powder
Material requirement approx.	Material requirements 1.20 kg/m ²	Condition Per mm order thickness
Bulk density approx.	1,20 kg/l	
Fresh weight approx.	1,60 kg/l	
Application properties		
Processing time approx.	30 Minute(s)	
Application Ambient conditions	+20°C	
Mechanical properties		
Bending tensile strength approx.	Time After 7 days After 28 days	Bending tensile strength approx. 2 N/mm ² 6 N/mm ²
Compressive strength approx.	Time After 7 days After 28 days	Compressive strength of approx. 10 N/mm ² 15 N/mm ²
Product details		
PH value approx.	12	
Corrosion behaviour	Does not contain any components that promote corrosion on steel	
Labelling according to GHS/CLP	See relevant safety data sheet	
Labelling according to ADR	See relevant safety data sheet	
EMICODE	EC 1 PLUS = very low emissions PLUS	
GISCODE	ZP1 = cementitious product, low chromate content	
Packaging	Sacks containing 25 kg net	
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.	

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ARDEX Baustoff GmbH Hürmer Straße 40 A-3382 Loosdorf Austria	
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50150	
EN 1504-3:2005	
50150 ARDEX B 10, EN 1504-3:R2	
Polymer modified cementitious mortar (PCC) for repair (non-structural) of concrete structures	
Reaction to fire:	A2-s1,d0
Compressive strength:	class R2
Chloride ion content:	≤ 0.05 %
Adhesive bond:	≥ 0.8 N/mm ²
Restrained shrinkage/expansion:	NPD
Carbonation resistance:	NPD
Elastic modulus:	NPD
Thermal compatibility Part 1 -	
Freeze/thaw attack with de-icing salt:	≥ 0.8 N/mm ²
Skid resistance:	NPD
Coefficient of thermal expansion:	NPD
Capillary absorption:	≤ 0.5 kg/(m ² ·vh)
Hazardous substances:	Compliance with 5.4 of EN 1504-3