



ARDEX A 18

Bonding slurry

- Bonding slurry for the production of composite screeds
- Bonding agent for repair work with cement mortars
- Long open time
- High adhesive bond
- ARDEX system product for ARDEX floor screeds and other cementitious mortars



Area of application

For indoor and outdoor use.

Bonding slurry for the production of composite screeds with

- ARDEX A 35 quick-setting cement
- ARDEX A 35 MIX Ready-mixed fast-setting screed mortar
- ARDEX A 58 Low-shrinkage rapid screed cement

and other cement mortars on concrete, cement screeds and other suitable substrates, such as old Terrazzo, tiles and concrete block pavements.

Bonding agent for repair work with cement mortars.

Art

Grey powder with aggregates and special additives for the reliable formation of an adhesive bond between the substrate and the floor screed.

Preparation of the surface

The substrate can be dry or damp, but must be sufficiently solid, load-bearing and non-slip. If necessary, the surface must be milled and/or shot-blasted before laying composite

screeds. Furthermore, the substrate must be free of dust, dirt, paint coatings, plaster residues and other release agents.

Cracks in the substrate (without movement) must first be filled with Ardex FB Pourable resin or Ardex EP 2000 Multifunctional Epoxy Resin.

The information in the technical Data Sheet must be observed.

If substrates are pre-wetted, avoid puddles forming.

Processing

To mix the bonding slurry, pour clean water into a clean mixing container and, while stirring vigorously, add enough powder to produce a paste-like, spreadable slurry.

Approximately 5.75 litres of water are required to mix 25 kg of ARDEX A 18 bonding slurry.

Mix only as much bonding slurry as can be used within the working time of approx. 60 minutes.

Apply bonding slurry generously (min. 1.5 mm) to the cleaned, stable substrate using a broom, suitable rollers, a notched trowel or a slurry brush. The screed mortar is laid on the still moist bonding slurry, fresh on fresh.

Do not dilute bonding slurry that is setting by adding more water.

ARDEX A 18 bonding slurry must be applied at temperatures above +5°C.

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Please note

The applicable technical guidelines and standards apply, in particular EN 13813, ÖNORM B 2232, ÖNORM B 3732 and the relevant BEB information sheets.

Note

The information in our safety data sheets must be observed.

For commercial users only!

Additional information

Take care when handling: avoid the formation of dust and release into the environment.

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

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 5.75 l water 1 Part water	Component B 25 kg powder 3 RT powder
Material requirement approx.	Material requirements 1.50 kg/m ²	Condition With a minimum layer thickness of 1.5 mm
Bulk density approx.	1,50 kg/l	
Fresh weight approx.	1,80 kg/l	

Application properties

Processing time approx.	60 Minute(s)
Open time	30 Minutes
Application Ambient conditions	+20°C

Mechanical properties

Adhesive tensile strength on Concrete	Bond strength 1.5 N/mm ²
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Product details

Suitable for underfloor heating	Yes
PH value approx.	11
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
Packaging	Bags containing 25 kg net
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.