



ARDEX A 46

Solid external levelling compound

- For filling holes, depressions, unevenness, cracks and breakouts in floor and wall surfaces
- For levelling and repairing stair treads and landings
- Levelling wall and floor areas
- Frost and de-icing salt resistant
- Can be felted and smoothed
- Repair mortar R2, XF4 in accordance with ÖBV guidelines

ARDEX system product: Particularly secure bonding properties with ARDEX floor covering adhesives.



Area of application

For indoor and outdoor use, walls and floors.

Filling holes, depressions, unevenness, cracks, breakouts in floor and wall surfaces in concrete components and masonry.

Repairing and levelling stair treads and pedestals.

Creating levelling layers and filling transitions on floor areas.

Levelling floor and wall surfaces in layer thicknesses from 2 to 30 mm.

- on concrete, cement screed, masonry (except aerated concrete), plaster of mortar groups P II and P III and other suitable substrates
- for receiving tile and slab coverings, paint coatings and coatings
- as a wear layer in areas subject to normal loads
- under flat compound layers of ARDEX K 301 External levelling compound

Art

Grey powder with special cements, easily dispersible plastics, selected fillers and special additives.

Preparation of the surface

The substrate must meet the requirements of ÖNORM B 5236 Planning and execution of floor covering and wood flooring work. In particular, it must be level, permanently dry, solid, load-bearing, free of separating agents and cracks, and resistant to tension and pressure, or it must be prepared accordingly.

Cracks and joints must be filled properly and professionally, e.g. with ARDEX P 10 SR or ARDEX FB casting resin.

Insufficiently solid surface areas must be removed mechanically, e.g. by milling, shot blasting, grinding or similar. Smooth concrete surfaces (sinter skin) must be roughened if necessary.

On absorbent substrates, the mortar should first be applied in a thin layer to the substrate and wiped off sharply with a smoothing trowel. The mortar is then applied in the required layer thickness.

On dense and smooth substrates, ARDEX EP 2000 Multifunctional Epoxy Resin with sanding should be used as a bonding agent.

Processing

Pour clear water into a clean mixing container and stir vigorously, adding powder until a lump-free, stable mortar is obtained.

Approximately 6 - 7 litres of water are required to mix 25 kg of ARDEX A 46 powder. The mortar can be worked for approx.

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

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15 - 20 minutes at +18°C to +20°C, with lower temperatures extending the working time and higher temperatures shortening it.

For use under coatings and paint coatings where the substrate requires a tensile bond strength of 1.5 N/mm², mix ARDEX A 46 with ARDEX E 100 Wittener building dispersion diluted 1:1 with water.

Approximately 10–20 minutes after application, finishing work such as felting and plastering, removing burrs, cutting edges on stair treads or smoothing with ARDEX A 46 can be carried out. The finishing time is approx. 10–15 minutes. ARDEX A 46 should be applied in a layer at least 2 mm and max. 30 mm thick.

ARDEX A 46 Solid external levelling compound must be applied at temperatures above +5°C.

The levelling layer must be protected from premature drying due to solar radiation and drafts.

Please note

Waterproofing with ARDEX waterproofing compounds can be carried out after the surface has dried. ARDEX A 46 can be

used in swimming pools, but not in medicinal, thermal or saltwater pools.

Due to the large number of paint coating and coating systems available on the market, no binding statement can be made regarding their suitability. We therefore recommend consulting the manufacturer or carrying out a suitability and compatibility test.

In case of doubt, create test areas.

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 solidified state in accordance with applicable local, regional, national and international regulations.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 6 - 7 l water 1 Part water	Component B 25 kg powder 3 RT powder
Material requirements	1.4 kg powder per m² and mm	
Bulk density approx.	1,30 kg/l	
Fresh weight approx.	1,80 kg/l	
Application properties		
Processing time approx.	15 - 20 Minute(s)	
Can be walked on after approx.	2 - 3 Hour(s)	
Ready for laying after approx.	Covering Paint coatings, coatings Paint coatings, coatings Paint coatings, coatings Paint coatings, coatings Moisture-resistant coatings	Thickness 5 mm 10 mm 20 mm 30 mm Duration 2 Days 5 Days 7 Days 10 Days 1 Day
Application Ambient conditions	+20°C	
Mechanical properties		
Adhesive tensile strength approx.	Ambient condition With ARDEX E 100	Bond strength 1.5 N/mm² Time After 7 days
Bending tensile strength approx.	Time After 1 day After 7 days After 28 days	Bending tensile strength approx. 2 N/mm² 4 N/mm² 6 N/mm²
Compressive strength approx.	Time After 1 day After 7 days After 28 days	Compressive strength of approx. 10 N/mm² 15 N/mm² 20 N/mm²

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Product details

Suitable for underfloor heating	Yes
Chair castor suitability	Yes
PH value approx.	12
Frost/de-icing salt resistance	Yes
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	Bags containing 25 kg net
Storage	Can be stored in dry rooms for approx. 6 months in the original sealed container.

