



ARDEX A 45

Solid filling compound

- For filling holes, depressions, unevenness, cracks and breakouts in floor and wall surfaces
- For levelling and repairing stair treads and landings
- Ready for laying after just 60 minutes, even in thick layers

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



Area of application

For indoor use.

For filling holes and unevenness in floor screeds, concrete ceilings and floors, for levelling and repairing stair treads and landings. Fast hardening, fast drying and quick to lay even in thick layers.

Art

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

When mixed with water, it forms a stable mortar that can be worked for approx. 15 minutes and hardens within 45 minutes through hydration, allowing further work to be carried out.

ARDEX A 45 adheres practically insolubly to concrete and floor screeds, natural and artificial stone, mortars, stoneware tiles, chipboard, wood, mastic asphalt, bricks, clinker bricks, etc., although in some cases a primer is required as a bonding agent.

With ARDURAPID effect, which causes rapid hydraulic hardening and complete crystalline water binding.

Preparation of the surface

The substrate can be dry or damp, but must be level, solid, load-bearing, free of release agents and cracks, and resistant to tension and pressure, or must be prepared accordingly.

The substrate must meet the requirements of ÖNORM B 5236 Planning and execution of floor covering and wood flooring work.

Cracks and joints must be filled properly and professionally, e.g. with ARDEX P 10 SR 2-K rapid repair resin or ARDEX FB casting resin.

Calcium sulphate self-levelling screeds must be pre-treated in accordance with the applicable planning and execution guidelines for self-levelling screeds.

Suitable primers, such as ARDEX P 52 Primer Concentrate, should be used from the ARDEX range depending on the condition of the substrate.

If in doubt, carry out a test on a small area.

Processing

Pour clear water into a clean mixing container and stir vigorously, adding enough powder to produce a lump-free mortar.

Approximately 5.5–6.5 litres of water are required to mix 25 kg of ARDEX A 45 powder.

The mortar can be worked for approx. 15 minutes at +18°C to +20°C. Lower temperatures extend the working time, higher temperatures shorten it.

On non-absorbent substrates, including pre-coated surfaces, ARDEX A 45 must be applied in a layer at least 1.5 mm thick.

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

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Once the ARDEX A 45 fillers have hardened, they can be smoothed with ARDEX floor levelling compounds.

Due to its stability, ARDEX A 45 mortar is particularly suitable for restoring worn and damaged stair treads. It can be used to level and even out treads and risers. Edges can be cut approx. 15 minutes after applying the mortar.

ARDEX A 45 Solid filling compound should be applied at temperatures above +5°C.

For large-area levelling and filling work over 5 mm, ARDEX A 45 mortar should be mixed with sand of 0–4 mm grain size in a mixing ratio of 1 part mortar to 0.3 parts mixture.

Please note

ARDEX A 45 cannot be used outdoors or in permanently wet 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 bound state in accordance with applicable local, regional, national and international regulations.

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A 5.5 - 6.5 l water 1 Part water	Component B 25 kg powder 2.75 - 3.25 RT powder
Material requirements	1.6 kg powder per m² and mm	
Bulk density approx.	1,40 kg/l	
Fresh weight approx.	1,90 kg/l	
Application properties		
Processing time approx.	15 Minute(s)	
Can be walked on after approx.	45 Minute(s)	
Application Ambient conditions	+20°C	
Ready for laying after approx.	1 Hour	
Mechanical properties		
Bending tensile strength approx.	Time After 1 day After 7 days After 28 days	Bending tensile strength approx. 5 N/mm² 8 N/mm² 10 N/mm²
Compressive strength approx.	Time After 1 day After 7 days After 28 days	Compressive strength of approx. 25 N/mm² 35 N/mm² 40 N/mm²
Ball pressure hardness approx.	Hardness 40 N/mm² 45 N/mm² 50 N/mm²	Time After 1 day After 7 days After 28 days
Product details		
Suitable for underfloor heating	Yes	
Chair castor suitability	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	

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GISCODE	ZP1 = cementitious product, low chromate content
Packaging	Bags containing 25 kg net
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.

