



ARDEX AM 100

Levelling mortar

- Ready for tile covering after 2 hours
- Low tension
- Waterproof and weatherproof
- Easy processing
- Can be felt and smoothed
- For layer thicknesses up to 50 mm



Area of application

Indoor and outdoor. Walls and floors.

For levelling, repairing and cleaning wall surfaces made of:

- Concrete
- Masonry (except aerated concrete)
- Plaster of mortar groups PII and PIII.

For producing levelling layers and repairing floor areas made of concrete and cement screed for laying tiles and slab coverings.

For fixing building boards (rigid foam insulation boards with mortar coating on both sides).

For levelling, repairing and plastering wall surfaces in thin and thick layers for indoor and outdoor use.

Art

Grey powder made from special cements, easily dispersible plastics and selected fillers. The powder is mixed with water to form a smooth, stable mortar that can be easily applied in thick or thin layers and hardens

after approx. 1 hour. Dry layers are permeable to diffusion.

Preparation of the surface

The substrate can be dry or damp, but must be non-slip, solid, free of release agents and load-bearing. Insufficiently solid surface areas, weakly bonded plaster, old wallpaper, paint coatings, etc. must be removed. Smooth concrete surfaces (sinter skin) must be roughened by sandblasting or shot blasting if necessary.

Processing

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

Approximately 5.5 - 6.5 litres of water is required to mix 25 kg of ARDEX AM 100 powder. Only mix as much material as can be used within approx. 30 to 40 minutes.

After a curing time of approx. 3 minutes and repeated stirring, the mortar can be processed at +20°C for approx. 30 to 40 minutes and can be applied in a single operation up to a layer thickness of 50 mm.

ARDEX AM 100 levelling mortar hardens through hydration and dries after approx. 60 minutes to such an extent that finishing work, such as felting, rubbing or smoothing, is possible. After approx. 2 hours, the

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hardening process is so far advanced that the tiles can be laid.

To improve the adhesion of ARDEX AM 100, first apply a thin layer of mortar to the substrate and wipe it off with a trowel. Immediately afterwards, apply the mortar in the required layer thickness. The mortar can be applied with a trowel or thrown on and wiped off with a straight edge.

ARDEX AM 100 levelling mortar must be applied at temperatures above +5°C. Higher temperatures shorten the setting time and lower temperatures prolong it.

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

Please note

Substrates with different moisture contents can cause colour differences with cementitious joint mortars.

The levelling layers must be protected against premature drying.

Tile coverings can be applied after approx. 2 hours. Wait until the levelling layer has dried before laying moisture-sensitive natural stone coverings.

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

Note

The information in our safety data sheets must be observed.

For commercial users only!

Additional information

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

Dispose of the container and its contents in a solidified state in accordance with applicable local/regional/national/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 3.25 RT powder
Material requirement approx.	Material requirements 1.40 kg/m ²	Condition Per mm order thickness
Bulk density approx.	1,40 kg/l	
Fresh weight approx.	1,70 kg/l	
Application properties		
Processing time approx.	30 - 40 Minute(s)	
Attachment and laying work after approx.	2 Hour(s)	
Laying Natural Stone	After drying	
Application Ambient conditions	+20°C	
Mechanical properties		
Bending tensile strength approx.	Time After 1 day After 7 days After 28 days	Bending tensile strength approx. 1.5 N/mm ² 3 N/mm ² 3.5 N/mm ²
Compressive strength approx.	Time After 1 day After 7 days After 28 days	Compressive strength of approx. 5 N/mm ² 10 N/mm ² 15 N/mm ²
Product details		
PH value approx.	12	
Labelling according to GHS/CLP	See relevant safety data sheet	
Labelling according to ADR	See relevant safety data sheet	

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EMICODE	EC 1 PLUS = very low emissions PLUS
GISCODE	ZP1 = cementitious product, low chromate content
Packaging	25 kg net bags
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.

