



ARDEX X 6

Flexmortar

- Waterproof
- Frost resistant
- Flexible
- High stability
- Easy processing
- Long working time



Area of application

Indoor and outdoor, walls and floors.

Application and laying of

- Tiles made of earthenware, stoneware and porcelain stoneware
- Natural stone slabs (moisture-resistant)

Laying

- suitable building boards, e.g. plasterboard
- Insulation boards made of rigid foam and mineral fibres
- Tile elements (rigid foam insulation boards with mortar coating on both sides)

Bonding of ceiling, visibility and sound insulation panels.

Art

Powder with cements, fillers, flexible plastics and additives.

When mixed with water, it forms a smooth, paste-like, stable adhesive mortar that hardens through hydration and drying and is waterproof and weatherproof after a few days.

ARDEX X 6 Flexmortar adheres to practically all suitable substrates, such as concrete, cement screed, calcium sulphate screed, mastic asphalt screed, plaster, masonry, etc., and creates a strong bond between the building materials.

Preparation of the surface

ARDEX X 6 Flexmortar adheres to dry and damp substrates, which must be solid, load-bearing, non-slippery and free of release agents.

Substrates made of gypsum and absorbent or ground calcium sulphate must be dry and primed with ARDEX P 51 Adhesive and Priming Dispersion or ARDEX P 52 Primer Concentrate, diluted 1:3 with water.

Gypsum plasters should be applied in a single layer at least 10 mm thick and should not be felted or smoothed.

On dense and smooth substrates indoors, such as old tiles, Terrazzo, natural stone, mastic asphalt, chipboard, ARDEX P 4 READY Multifunctional Primer should be applied as a bonding agent; on metal substrates, ARDEX P 82 Synthetic Resin Primer should be used.

Calcium sulphate screeds must be prepared in accordance with the planning and execution guidelines for flowing screeds and vacuumed thoroughly with an industrial vacuum cleaner.

The coverings are laid after the primers have dried.



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Processing

Pour clear water into a clean mixing container and stir in the ARDEX X 6 powder vigorously until a lump-free, smooth paste is formed. To improve the smoothness and wettability, stir the mortar again before applying it to the substrate.

Approximately 8 litres of water are required to mix 25 kg of ARDEX X 6 powder. The mortar can be processed for approx. 3 hours at +20°C.

Apply the mortar to the substrate and comb vertically with a notched trowel. The substrate, surface, type and size of the tiles determine the choice of notched trowel.

The laying areas should only be large enough to allow the tiles and slabs to be easily pressed into the paste-like, moist adhesive bed within the working time of approx. 30 minutes.

Rough and uneven substrates can be levelled with the mortar. Once the compound layer has hardened, the tiles can be laid.

When bonding insulation boards, apply the mortar in strips or blobs to the back of the boards. If the boards to be bonded do not have open pores, the surface of these boards must be roughened mechanically beforehand.

In case of doubt, carry out test bonding.

ARDEX X 6 Flexmortar should be used at temperatures above +5°C.

Please note

The MICROTEC flex adhesives ARDEX X 78, ARDEX X 77 and ARDEX X 90 are to be used for laying porcelain tiles

- with edge lengths > 60 cm
- on shrinking substrates, e.g. concrete at least 6 months old, dry screed elements, etc.
- on balconies and terraces, on facades and in underwater areas

When laying large-format tiles and slabs, the generally applicable ÖNORM standards and technical data sheets must be observed.

When fixing tiles or insulation boards to building boards, ensure that they are rigidly fixed to the substrate and cannot warp.

ARDEX N 23 W MICROTEC natural stone and tile adhesive, white, is recommended for bonding tiles to chipboard (type P5).

For cladding in spas and other highly stressed structures, use ARDEX WA epoxy adhesive, ARDEX WA epoxy grout and ARDEX RG 12 1 - 6 epoxy grout, fine.

For discolouration-free installation of marble and other moisture-sensitive natural stones in interior areas, we recommend the products of the ARDEX natural stone system.

Natural stone slabs with adhesion-inhibiting backs can be laid with ARDEX X 77 MICROTEC Flex Adhesive or ARDEX X 78 MICROTEC Flex adhesive

ARDEX sealing compounds must be used for waterproofing measures.

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 l Water 1 Part water	Component B 25 kg powder 2.25 RT powder	
Material requirement approx.	Material requirements 1.40 kg/m ² 2.50 kg/m ² 3.00 kg/m ² 3.70 kg/m ² 4.50 kg/m ²	Toothing (mm) 3 x 3 x 3 6 x 6 x 6 8 x 8 x 8 10 x 10 x 10 12 x 12 x 12	Condition On smooth substrates On smooth substrates On smooth substrates On smooth substrates On smooth substrates
Bulk density approx.	1,40 kg/l		
Fresh weight approx.	1,70 kg/l		
Application properties			
Processing time approx.	3 Hour(s)		
Insertion time (EN 1346) approx.	30 Minutes		
Correction time approx.	15 Minutes		
Can be walked on after approx.	24 Hours, grouting possible thereafter		
Grouting on the Wall after approx.	8 Hour(s)		

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Application Ambient conditions +20°C

Product details

Suitable for underfloor heating Yes

Tested according to DIN EN 12004 C2 TE

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.

