



ARDEX FB 9 L

Flexible fluidised bed mortar, long

- Pourable bed mortar with variable consistency adjustment
- Excellent bonding strength
- Long working time
- Easy and smooth to work with
- Very economical
- Flexible
- Waterproof
- Frost resistant
- Meets the C2 requirements of DIN EN 12004



Area of application

Indoor and outdoor use. Floors.

For producing a flexible adhesive bed with variable consistency adjustment.

Full embedding of tiles and slabs using the floating method.

For laying

- Floor tiles made of earthenware, stoneware and porcelain stoneware,
- Mosaics made of earthenware and stoneware,
- moisture-resistant natural stone slabs.

For laying tiles and slabs

- on balconies and terraces,
- in swimming pools,
- on heated screeds,
- in high load industrial and commercial areas.

For filling and levelling substrates.

For laying tiles and slabs on concrete substrates that are still shrinking (at least 3 months old).

Art

Grey powder with cements, fillers, special additives and flexible plastics. When mixed with water, it forms a smooth, paste-like adhesive mortar.

Its fluid bed character allows even large-format floor tiles and slabs to be embedded over the entire surface.

The mortar hardens through hydration and drying.

Preparation of the surface

The dry or damp substrate must be solid, load-bearing, free from dust, impurities or release agents.

Gypsum substrates and absorbent or ground calcium sulphate screeds must be dry and primed with ARDEX P 51 Adhesive and Priming Dispersion, diluted 1 : 3 with water.

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

In wet areas and outdoors, the appropriate ARDEX sealing compounds must be used on tile coverings as a bonding agent and moisture protection for substrates.

The tiles are laid with ARDEX FB 9 L Flexible fluidised bed mortar, long after the primer, bonding agent or pre-coat has dried.



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Processing

Pour clear water into a clean mixing container and add enough ARDEX FB 9 L powder to produce a lump-free, smooth mortar.

To mix 25 kg of ARDEX FB 9 L, 6.5–7.5 litres of water are required.

The mortar consistency can be varied depending on the type, size and weight of the covering to be laid and the substrate.

The mortar can be worked for approx. 3 hours at +20°C.

Do not dilute the mortar with water or mix it with fresh mortar once it has started to set.

ARDEX FB 9 L mortar is applied to the substrate and combed with a notched trowel to ensure that the tiles or slabs are bonded over the entire surface. The substrate, type, size and back of the tiles determine the choice of notched trowel.

When laying moisture-resistant natural stone slabs and large-format ceramic slabs, use the combined method (floating method) by applying and combing the adhesive mortar onto the substrate and applying a smooth coat to the back of the covering element.

If the mortar is applied immediately after mixing, the setting time is approx. 30 minutes. If applied later, the setting time may be shorter.

In case of doubt, carry out a test installation.

ARDEX FB 9 Flexible fluidised bed mortar, long must be processed at temperatures above +5°C.

Higher temperatures shorten, lower temperatures extend the processing and load times.

To level uneven and rough substrates, the mortar is first applied with a smoothing trowel. For application thicknesses over 10 mm, the mortar must be extended as follows:

Mixture / washed	Grain size	Mixing ratio	
		Mortar	Mixing material
Sand	0 - 4 mm	1.0 RT	0.3 RT

Use less mixing water if the sand is damp.

The levelling layers are hard enough after approx. 6 hours that floor tiles can be laid with ARDEX FB 9 L.

Please note

In wet areas and outdoors, the appropriate ARDEX waterproofing compounds must be used to protect substrates from moisture.

Moisture-sensitive natural stone slabs should be laid indoors using products from the ARDEX natural stone system.

ARDEX WA epoxy adhesive should be used for laying tiles in chemically stressed areas and ARDEX WA epoxy grout for grouting.

When laying tiles on shrinking substrates, the field sizes must be limited by arranging expansion joints.

Note

The information in our safety data sheets must be observed.
For commercial use 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 6.5 - 7.5 l water 1 Part water	Component B 25 kg powder 3.5 RT powder	
Material requirement approx.	Material requirements 2.30 kg/m ² 3.00 kg/m ²	Toothing (mm) 6 x 6 x 6 8 x 8 x 8	Condition On smooth substrates On smooth substrates
Bulk density approx.	1,30 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.	30 Minutes
Can be walked on after approx.	6 Hours, grouting possible thereafter
Application Ambient conditions	+20°C

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Mechanical properties

Adhesive tensile strength approx.	Ambient condition	Bond strength	Condition
	Dry	1.0 - 2.0 N/mm ²	For stoneware tiles
	Wet	1.0 - 2.0 N/mm ²	For stoneware tiles
	Frost-thaw cycle	1.0 - 2.0 N/mm ²	For stoneware tiles

Bending tensile strength approx.	Time	Bending tensile strength approx.
	After 1 day	2.0 N/mm ²
	After 3 days	2.5 N/mm ²
	After 28 days	5.0 N/mm ²

Compressive strength approx.	Time	Compressive strength of approx.
	After 1 day	5.0 N/mm ²
	After 3 days	10.0 N/mm ²
	After 28 days	20.0 N/mm ²

Product details

Suitable for underfloor heating	Yes
Tested according to DIN EN 12004	C2 E S1
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. 12 months in the original sealed container.



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ARDEX Baustoff GmbH Hürmer Straße 40 A-3382 Loosdorf Austria 06 54205 EN 12004:2007+A1:2012 ARDEX FB 9 L Improved deformable cementitious adhesive with extended open time for internal and external tiling EN 12004:C2E-S1	
Fire class:	E
Initial tensile adhesion strength:	$\geq 1.0 \text{ N/mm}^2$
Tensile adhesion strength after water immersion:	$\geq 1.0 \text{ N/mm}^2$
Tensile adhesion strength after heat ageing:	$\geq 1.0 \text{ N/mm}^2$
Tensile adhesion strength after freeze-thaw cycles:	$\geq 1.0 \text{ N/mm}^2$
Release of dangerous substances:	See material safety data sheet