



ARDEX GF 300

2-K Slab-jointing mortar

- Highly flowable
- Water-permeable
- Self-compacting
- Suction machine resistant
- High frost/thaw resistance
- Abrasion-resistant
- Permanently filled joint
- Can also be used in rain and low temperatures



Colours

sand-coloured, stone grey

Area of application

Outdoors, floors.

For grouting slab coverings with narrow joints from 3 mm with a joint depth of at least 30 mm, full joint depth for areas subject to traffic. Suitable for light to medium traffic loads.

Art

Two-component, reaction resin-bound, water-permeable grout with graded mineral grain mixture. A two-component, solvent-free, highly modified and water-emulsifiable epoxy resin is used as the binder.

Preparation of the surface

The substrate must be load-bearing, permanently water-permeable and suitable for the expected loads. The joint depth must be ≥ 30 mm (full joint depth for areas subject to traffic). The joint width must be ≥ 3 mm throughout and the outside and object temperature must be $\geq +3^{\circ}\text{C}$ to a maximum of $+25^{\circ}\text{C}$.

ARDEX GF 300 2-K Slab-jointing mortar cannot compensate for any settlement of the substrate when used as a jointing material for narrow joints from 3 mm. The substrate, substructure and superstructure must be designed to withstand the expected traffic loads.

Processing

The surface of the object to be grouted must be cleaned thoroughly.

Always test the product on a small area first, as some natural stone and concrete slabs may undergo visual changes, such as darkening and/or staining, when ARDEX GF 300 2-K Slab-jointing mortar comes into contact with the surface of the covering.

The surface should be thoroughly pre-wetted before application. Clean, cold tap water should generally be used for pre-wetting and cleaning.

The mineral material is premixed, then the two-component binder is added and mixed homogeneously with a drill for 3 minutes. Unmixed components must not be used. No water must be added to the mixture.

The mortar is then immediately worked into the joints intensively with a hard rubber squeegee and a light spray of water. The surface must be kept wet at all times during processing. It is recommended to grout from the highest to the lowest point.

Clean any excess mortar from the surface immediately with a light spray of water (approx. 25 cm from the surface) without washing out the joints.

For pedestrian traffic, it is sufficient to lay the tiles in a stable, draining sand or grit bed. It would be better to lay the tiles in a drainable concrete or mortar bed.

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If the slabs are subject to vehicle traffic, they must be laid in a draining concrete or mortar bed appropriate to the load.

When grouting slab coverings laid in a draining mortar bed with a bonding agent, the minimum joint depth can be reduced to 20 mm in areas subject to pedestrian traffic only.

The expansion joints must be arranged in accordance with the building principles and joints from the substrate and adjacent to buildings must be continued. The colour of the mortar may change due to UV rays depending on the binder system. The stone grey colour tone will become slightly lighter as a result. Practical experience has shown that there are types of stone, such as granite, Asian natural stones, clinker bricks and artificial stones, on which the binder film remaining on the surface can cause special effects such as darkening.

On white or light-coloured coverings, this colour change may also appear yellowish. These phenomena result from contact between ARDEX GF 300 2-K Panel Joint Mortar and the covering surface and are not a defect in the workmanship.

It is therefore necessary to create a test area. The test areas serve as reference areas. In addition, particularly careful cleaning must be carried out on critical types of stone.

To facilitate subsequent cleaning and protect the surface of the covering, we recommend pre-treatment with LITHOFIN Fleckstop W, diluted 1:3 with water.

Despite this, stronger and longer-lasting colour deepening may occur on the surface of absorbent slab coverings, which may also be irreversible. In addition, particularly absorbent slab coverings, such as some granites and sandstones, may darken due to rising moisture from the bedding.

To facilitate processing at low temperatures, we recommend storing the material in temperature-controlled rooms beforehand.

Do not store above +20°C!

When grouting concrete block coverings with treated (impregnated, coated) surfaces, we recommend a test grouting.

ARDEX GF 300 2-K Slab-jointing mortar is not suitable for waterproofing floor surfaces.

All times specified in this Technical Data Sheet refer to +20°C and 65% relative humidity (higher temperatures shorten, lower temperatures extend these times).

Due to different mineral materials, different binders and aggregates, colour differences between the various ARDEX GF

mortar products are unavoidable. Colour prints in the product information are only indicative and only approximate the original colours of ARDEX GF grouts.

Please note

Cleaning should be carried out towards areas that have not yet been grouted and the stone surface should also be cleaned. Any remaining mortar residue should be swept away with a damp coconut broom. Remaining mortar residue should not be swept into joints that are still open. Care must be taken to ensure that the water with the mortar residue does not remain on the surface.

To achieve the product quality described, the product must not be mixed in partial quantities.

CAUTION: Do not add water to the mixture.

The chamfers must be swept clean, otherwise sufficient adhesion cannot be guaranteed.

A very thin film of binder remains on surfaces that have not been thoroughly cleaned, highlighting the surface structure of the covering. The binder film disappears after a few months of exposure to the weather.

The freshly laid surfaces should be cordoned off for at least 24 hours or until the surface is no longer sticky. The surfaces can then be walked on. The surfaces can be opened to traffic after 5 days. In principle, a strength test should be carried out before the surfaces are put into service.

Existing, weathered ARDEX GF 300 2-K Slab-jointing mortar can also be cleaned using a high-pressure cleaner (distance between joint and spray lance at least 40 cm), but please note that this may roughen the surface of the tiles and joints, causing them to become dirty again more quickly. Use cleaning agents (Lithofin) that are suitable for the floor covering.

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	Specified by the container
Fresh weight approx.	1,70 kg/l
Processing temperature	+3°C to +25°C
Material temperature	+3°C to +25°C
Substrate temperature	+3°C to +25°C
Walkable	Fully loadable after 24 hours, after 5 days
Water permeability	Approx. 4 l/m ² /minute (with 10% joint coverage)

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Material requirements

Applies to Joint width 3 mm, joint depth 30 mm for panel formats

Material requirement approx.	Length in cm	Width in cm	Consumption
	50	50	0.60 kg/m ²
	40	40	0.80 kg/m ²
	30	30	1.00 kg/m ²
	20	20	1.40 kg/m ²

Application properties

Processing time approx. 10 Minute(s)

Application Ambient conditions +20°C

Mechanical properties

Bending tensile strength approx. **Bending tensile strength approx.**
6.0 N/mm²

Compressive strength approx. **Compressive strength of approx.**
15.0 N/mm²

Product details

Labelling according to GHS/CLP	Labelling according to GHS/CLP	Component
	See relevant safety data sheet	Component A
	See relevant safety data sheet	Component B

Self-service regulation 3

Labelling according to ADR	Component	Labelling according to ADR
	Component A	See relevant safety data sheet
	Component B	See relevant safety data sheet

Packaging PP bucket with 10 kg net weight

Storage Can be stored for approx. 12 months in dry, frost-free rooms in the original sealed container.
Store in an upright position.