



ARDEX G 40 OUTDOOR

Universal joint

- For natural stones and concrete blocks that are not sensitive to moisture
- Frost and de-icing salt resistant (XF4 according to ÖNORM B4710-1)
- Resistant to steam jets, high temperatures and standard cleaning agents
- High mechanical strength and abrasion resistance
- Can be walked on after just 12 hours
- Variable consistency setting (from stable to slurry)
- According to RVS 08.18.01 Flexural strength >5MPa, compressive strength 25-40 MPa (after 28 days)



Colours

grey, basalt and sand beige

Area of application

Indoor and outdoor. Walls and floors.

For grouting

- Concrete slabs
- Natural stone slabs (moisture-resistant)
- Stoneware and porcelain stoneware tiles
- Split tiles and clinker tiles
- Facade brick slips and glass blocks.

Paving work on commercial areas, stairways, pergolas, balconies and terraces.

For joint widths of 4 - 40 mm.

Art

Powder based on fast-setting cements and special fillers.

Maximum grain size 0.7 mm.

Processing

Pour clear water into a clean mixing container and mix the powder to form a lump-free mortar. For 25 kg of ARDEX G 40 OUTDOOR powder, approx. 3.25 to 4.5 litres of water (depending on the consistency required) are required.

Mixing ratio:

stable consistency: approx. 3.25 litres of water : 25 kg powder

slurry consistency: approx. 4.5 litres of water : 25 kg powder

The mortar can be worked for approx. 60 minutes at a temperature of +20°C. Higher temperatures shorten the working time, lower temperatures extend it. Different amounts of water also influence the working time. The mortar can be easily applied to the joints with a rubber squeegee or jointing board. Even deeper joints can be filled in a single step without sagging. The longer setting time allows for later washing.

Once the mortar has started to set, it must not be diluted with water or mixed with fresh mortar.

ARDEX G 40 OUTDOOR Universal Joint Filler should be applied at temperatures above +5°C.

The freshly laid surfaces should be kept clear for at least 12 hours. After this time, the surfaces can be walked on. The surfaces can be finally released after 3 days. In principle, a strength test should be carried out before the surfaces are put into service.

An existing, weathered area grouted with ARDEX G 40 OUTDOOR can be cleaned using a high-pressure cleaner

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(distance between joint and spray lance at least 40 cm), but it should be noted that this may roughen the surface of the stones and joints.

Please note

Residues of the jointing compound may adhere to porous surfaces or matt glazes of tiles and slabs. It is therefore essential to carry out test jointing on such coverings.

If acidification is necessary, the joints must be watered beforehand. Moisture in the substrate and different absorption capacities can cause colour differences in the joints. If necessary, scrape out the joints before applying the grout. Do not leave a film of water on the joints.

Cement-bound joints are not acid-resistant. Acidic cleaners containing citric acid, acetic acid or other acids can cause long-term damage to the joints. When using such cleaning agents, wet the joints beforehand. It is generally recommended to use neutral or slightly alkaline cleaning agents (Lithofin) for cleaning coverings.

In general

Instead of cementitious jointing materials, ARDEX WA Epoxy Grout or ARDEX RG 12 1-6 Epoxy Grout, fine should be used

in spas, swimming pools and other areas subject to heavy wear.

For colour-fast grouting of moisture-sensitive natural stone slabs in interior areas, ARDEX G 10 PREMIUM Flex Grout should be used, or a test grouting should be carried out to ensure that no permanent edge discolouration occurs when using ARDEX G 40 OUTDOOR Universal Grout.

Thorough and regular cleaning and maintenance of the joints is essential.

For grouting on thermally stressed surfaces and large-format coverings (outdoor areas), we recommend using MorTec® SOFT Die Fuge aus der Tube (grout from a tube).

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 3.25 l water 4.5 l water	Component B 25 kg powder 25 kg powder	Consistency Stable consistency Slurry consistency
Bulk density approx.	1,40 kg/l		
Fresh weight approx.	2,10 kg/l		
Walkable	After 12 hours		

Material requirements

Applies to Joint width 10 mm, joint depth 5 mm for tiles and slabs

Material requirement approx.	Length in cm	Width in cm	Consumption
	60	60	0.30 kg/m ²
	30	60	0.50 kg/m ²
	30	30	0.65 kg/m ²
	15	15	1.30 kg/m ²
	10	10	2.00 kg/m ²

Note The additional losses due to excess material on the tiles amount to 0.05–0.10 kg/m², depending on the surface finish and working method

Application properties

Processing time approx. 60 Minute(s)

Application Ambient conditions +20°C

Mechanical properties

Ball pressure hardness approx.	Hardness 20 N/mm ² 30 N/mm ² 40 N/mm ² 50 N/mm ²	Time After 1 day After 3 days After 7 days After 28 days
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Product details

Suitable for underfloor heating	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
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.