



ARDEX G4 BASIC 1-6

Cement based tile grout

- Cement-bound grout
- Fine and smooth joint surface
- Easy to insert with long washing time
- Good edge grip
- High strength
- With preventive protection against mould



Colours

brilliant white, silver grey, cement grey

Area of application

Indoor and outdoor. Floor and wall.

For grouting

- Ceramic tiles
- Glass tiles
- Natural and concrete stone slabs (moisture-resistant)
- Glass, porcelain and ceramic mosaics.

Particularly suitable for earthenware.

For joint widths of 1–6 mm.

Settings

After hardening, ARDEX G4 BASIC 1-6 provides preventive protection against mould and has good edge adhesion and high strength.

Art

Cement-bound grout with fine-grained fillers and special additives.

When mixed with water, it forms a smooth, paste-like and high-yield mortar that is easy to work with, does not burn, has high filling power and adheres firmly and crack-free to the joints. The surface of the joint is very fine and smooth.

Processing

Pour clear water into a clean mixing container and mix ARDEX G4 BASIC 1-6 powder to form a lump-free, paste-like, creamy mortar.

Mixing ratio:

12.5 kg ARDEX G4 BASIC 1-6 : approx. 3.5 litres of water

The mortar can be used at a temperature of +20°C for approx. 90 minutes

. Higher temperatures shorten the working time, lower temperatures extend it. The mortar has a high filling capacity and can be easily slurried into the joints with a jointing board or rubber jointing tool. The moderate setting allows larger areas to be covered first and ensures efficient working.

After the grout has set slightly, a second coat of ARDEX G4 BASIC 1-6 grout can be applied if necessary. Once the grout has set sufficiently, the grouted surfaces are washed off with a damp sponge or sponge board.

After a longer standing time, the surface should be moistened to facilitate washing. Any remaining mortar film can be removed later with a damp sponge.

Conventional pressure sprayers or garden sprayers are suitable for moistening the surfaces. These devices are used to apply an even film of water to the surface to be washed.

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This prevents excess water during pre-washing and reduces the risk of discolouration.

ARDEX G4 BASIC 1-6 grout must be applied at temperatures above +5°C.

Please note

Residues of grout can become embedded in porous surfaces of tiles and slabs. Highly pigmented grouts in particular usually require more cleaning. These surfaces may need to be cleaned again the next day with suitable cleaning agents. Test grouting of such coverings is therefore essential. If acid is used, the joints must be watered beforehand. Moisture in the substrate and different absorption properties 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, the joints must be pre-wetted. It is generally recommended to use neutral or slightly alkaline cleaning agents (Lithofin) for cleaning tile coverings.

In general

Instead of cementitious grouting materials, ARDEX WA epoxy grout or ARDEX RG 12 1-6 Cement based tile grout should be used in spa baths, swimming pools and other areas subject to heavy wear.

For grouting of moisture-sensitive natural stone slabs without colouration 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 G4 BASIC 1-6 Grout. Despite the preventive protection against mould, thorough and regular cleaning and maintenance of the joints is essential. For grouting on thermally stressed surfaces, we recommend using flexible joints.

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 3.5 l Water 1 Part water	Component B 12.5 kg powder 2.75 RT powder
Bulk density approx.	1,30 kg/l	
Fresh weight approx.	2,10 kg/l	

Material requirements

Applies to	Joint width 3 mm, joint depth 5 mm for tiles or medium mosaic		
Material requirement approx.	Length in cm	Width in cm	Consumption
	60	60	0.10 kg/m ²
	60	30	0.15 kg/m ²
	30	30	0.20 kg/m ²
	15	15	0.35 kg/m ²
	10	10	0.50 kg/m ²
	5	5	1.00 kg/m ²
Note	The additional losses due to excess material on the tiles amount to 0.05–0.10 kg/m ² , depending on the surface finish and working method		

Application properties

Processing time approx.	90 Minute(s)
Can be walked on after approx.	4 Hour(s)
Application Ambient conditions	+20°C

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Mechanical properties

Ball pressure hardness approx.	Hardness	Time
	40 N/mm ²	After 1 day
	60 N/mm ²	After 3 days
	80 N/mm ²	After 7 days
	90 N/mm ²	After 28 days

Product details

Suitable for underfloor heating	Yes
Tested according to DIN EN 13888	CG2 A
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 12.5 kg net
Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.