



# ARDEX G6 FLEX 1-6

## Flexible Tile Grout

- Cement-based flexible grout
- Flexible
- Water- and dirt-repellent
- Very fine and smooth grout surface
- Excellent adhesion to tile sides of the joint
- High strength
- Quartz-free
- With preventive protection against mould growth
- Suitable for underfloor and wall heating systems



### Colour

- Brilliant white
- Light grey
- Pergamon
- Silver grey
- Cement grey

### Areas of Application

For interior and exterior use. Suitable for floors and walls.

For grouting:

- Ceramic tiles
  - Glass tiles
  - Natural stone slabs and concrete stone slabs (provided they are not sensitive to moisture)
  - Glass, porcelain and ceramic mosaics
- Especially suitable for earthenware tiles.

For joint widths from 1 to 6 mm.

### Properties

Once cured, ARDEX G6 FLEX 1-6 exhibits water- and dirt-repellent properties, which have a positive effect on the appearance, surface condition and long-term value retention of the tiled finish.

Its high deformability and excellent adhesion to the joint flanks help relieve stress in surfaces exposed to thermal movement, thereby making a significant contribution to the reliability and durability of the covering.

### Description

A cement-based grout formulated with ultra-fine, quartz-free fillers and special additives. It is designed to produce fine joint surfaces with high strength, while also offering excellent workability and a long cleaning/washing window.

When mixed with water, it forms a smooth, creamy and highly workable mortar with good yield. It is easy to apply, does not burn off prematurely, has excellent filling capacity, and adheres firmly in the joints without cracking. The finished grout surface is very fine and smooth.

### Application

Pour clean water into a clean mixing container, then add ARDEX G6 FLEX 1-6 powder and mix until a lump-free, creamy paste-like mortar is obtained.

Mixing ratio:

5 kg ARDEX G6 FLEX 1-6 : approx. 1.4 litres of water

At a temperature of +20°C, the mixed mortar remains workable for approximately 1.5 hours. Higher temperatures shorten the working time, while lower temperatures extend it. The mortar has excellent filling capacity and can be easily worked into the joints using a grout float or rubber grout trowel. Its moderate setting behaviour makes it possible to grout larger areas in advance and supports efficient working on site.

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After the grout has begun to set lightly, a second pass with ARDEX G6 FLEX 1-6 may be carried out if necessary. Once the grout has set sufficiently and is stable enough, the grouted surface should be cleaned with a damp sponge or sponge float. If a longer waiting time has elapsed, the surface should be lightly moistened to make the cleaning process easier. Any remaining mortar haze can later be removed with a damp sponge. Conventional pressure sprayers or garden sprayers are suitable for moistening the surface. Using such equipment, an even film of water can be applied to the surface to be cleaned. This helps avoid excess water during pre-cleaning and reduces the risk of discolouration.

ARDEX G6 FLEX 1-6 must be applied at temperatures above +5°C.

### Please Note

Grout residues may become lodged in the porous surfaces of tiles and slabs. Heavily pigmented grouts in particular generally require more intensive cleaning. If necessary, such surfaces should be cleaned again the following day using suitable cleaning agents. or this reason, trial grouting on such coverings is essential and should not be omitted.

If acid cleaning is carried out, the joints must be pre-wetted beforehand. Moisture in the substrate and variations in absorbency can cause colour differences in the joints.

If necessary, rake out / clean out the joints before applying the grout. Do not leave standing water or a water film in the joints. Cement-based grout joints are not acid-resistant. Acidic cleaners, for example those based on citric acid, acetic acid or other acids, can cause long-term damage to the joints. When such cleaning agents are used, the joints must be pre-wetted.

As a general rule, neutral or mildly alkaline cleaning agents (for example Lithofin) are recommended for cleaning tiled surfaces.

### General Information

In therapeutic pools, swimming pools and other heavily stressed areas, ARDEX WA epoxy grout or ARDEX RG 12 1-6 fine epoxy grout should be used instead of cementitious grouting materials.

For discolouration-free grouting of moisture-sensitive natural stone slabs in interior areas, ARDEX G 10 PREMIUM flexible grout should be used. Alternatively, trial grouting must be carried out to ensure that the use of ARDEX G6 FLEX 1-6 will not cause permanent edge staining.

Even though the product provides preventive protection against mould, thorough and regular cleaning and maintenance of the joints remain essential.

### Note

The information provided in our safety data sheets must be observed.

### Technical Data According to ARDEX Quality Standard

Approximate Mixing Ratio	<b>Component A</b> 1.4 l water 1 part water	<b>Component B</b> 5 kg powder 3 parts powder
Bulk Density	Approx. 1.20 kg/l	
Fresh Mortar Density	Approx. 1.80 kg/l	

### Material Consumption

Applicable for a joint width of 3 mm and a joint depth of 5 mm for tiles and medium-size mosaics.

Material consumption	Length in cm	width in cm	Consumption
	60	60	0,10 kg/m <sup>2</sup>
	30	60	0,15 kg/m <sup>2</sup>
	30	30	0,20 kg/m <sup>2</sup>
	15	15	0,35 kg/m <sup>2</sup>
	10	10	0,45 kg/m <sup>2</sup>
	5	5	0,90 kg/m <sup>2</sup>

Note Additional losses caused by excess material remaining on the tile surface amount to 0.05–0.10 kg/m<sup>2</sup>, depending on the surface texture of the tiles and the working method used.

### Application Properties

Working time	Approx. 90 minutes
Ready for foot traffic after	Approx. 4 hours
Application ambient conditions	+20°C



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### Mechanical Properties

Ball indentation hardness Approx.	<b>Hardness</b>	<b>Time</b>
	35 N/mm <sup>2</sup>	after 1 day
	55 N/mm <sup>2</sup>	after 3 days
	65 N/mm <sup>2</sup>	after 7 days
	75 N/mm <sup>2</sup>	after 28 days

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### Product Details

Suitable for underfloor heating	yes
Classification according to GHS/CLP	see the relevant safety data sheet
Classification according to ADR	see the relevant safety data sheet
EMICODE	EC 1 PLUS = very low emission PLUS
GISCODE	ZP1 = cement-containing product, low in chromate
Packaging	5 kg bags, packed in units of 4
Storage	Can be stored for approx. 12 months in dry rooms in the original unopened packaging.

### Application Consulting

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