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# ARDEX EG 2

## “Hybrid” Epoxy grout

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**Combines the chemical resistance of epoxy grouts, with application properties of cement based grouts**

**Ideal for use in swimming pools and other wet areas**

**For joint widths 1.5-8mm**

**Internal and external areas, walls and floors**

**Water based, low VOC, APEO free**

**Resistance to most common bathroom and kitchen stains**

**Available in a range of colors**

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ARDEX TAIWAN INC  
10F-2., NO.120, Qiaohe Rd., Zhonghe  
Dist., New Taipei City, Taiwan, 235  
Tel: 886-2-82457737  
Fax: 886-2-82457133  
Email: [inform@ardex.com.tw](mailto:inform@ardex.com.tw)  
Website: [www.ardex.com.tw](http://www.ardex.com.tw)

**Headquarter**

ARDEX GmbH  
Friedrich-Ebert-Str. 45  
D-58453 Witten  
Tel: (+49) 2302/6 64-0  
Fax: (+49) 2302/6 64-2 99  
Email: [kundendienst@ardex.de](mailto:kundendienst@ardex.de)  
Website: [www.ardex.de](http://www.ardex.de)

**Asian Pacific HQ**

ARDEX Australia Pty Ltd  
UNIT 7/20 POWDERS ROAD  
Seven Hills NSW 2147  
Tel: (02) 9851 9199  
Fax: (02) 9674 5621  
Email: [techinfo@ardexaustralia.com](mailto:techinfo@ardexaustralia.com)  
Website: [www.ardex.com](http://www.ardex.com)

# ARDEX EG 2

## Epoxy grout

### Description:

ARDEX EG 2 Epoxy Grout combines the technical performance properties of an epoxy based grout with the ease of application associated with cement based grouts without requiring any special tools.

### Product limitations

ARDEX EG 2 is especially suitable for use in swimming pools, showers, bathrooms, shops, hydrotherapy and spa baths, sports centers and other specialized buildings where high standards of hygiene and cleanliness are required. ARDEX EG 2 is not recommended for use with high concentrations of foods such as commercial and industrial kitchens. ARDEX EG 2 can be used for grouting different kinds of tiles, marble and glass mosaics with a joint width of 1.5-8mm, both internally and externally; see "notes"

### MIXING

Completely dispense, then thoroughly mix the 2 liquid components (A+B) with a paddle or spatula by hand into the clean ARDEX EG 2 bucket for 1 minute until a uniform colour is achieved. Then slowly add Part C\* (Powder) while continuing to mix until a homogenous mortar is produced. Use of a propeller type stirrer with a slow speed (<300rpm) drill is advantageous. ARDEX EG 2 mortar is then ready for immediate use and has a working time of approx. 30-45 minutes at 23 °C. This is reduced at higher temperature and extended at lower temperatures.

\*up to 10% of the powder can be left out for small joints and when used on the floor for easier workability and increased working time

Apply at temperatures above 5°C.

### Application

1. **Preparation of the joints:** Be sure all tiles are cleaned and joints prepared properly
2. **Application of grout:** ARDEX EG 2 is applied into the dry joint using a suitable grouting squeegee/float as per traditional cement based grouts. Excess grout should be removed as work proceeds.
3. **First Wash:** Approximately 20 minutes after the application of the grout, clean the surface of the tiles containing the slightly hardened grout in the joint
4. **Second Wash:** Approximately 60 minutes after the first wash, clean the tile surface using cold water and suitable sponge.

### Note:

- The mixing ratio of ARDEX EG 2 is accurately designed; do not mix ARDEX EG 2 with water.
- After ARDEX EG 2 is cured, any residues left on the surface of the tiles will be difficult to remove
- Certain types of tile may be prone to surface discoloration or scratching when using this grout, e.g. certain natural stones, absorbent tiles, textured tiles, and soft glazed ceramic tiles. Consult the tile manufacturer or distributor for advice or conduct a small scale test prior to installation.
- Tools should be cleaned before the mortar has hardened using a brush and water.
- When used externally ARDEX EG 2 may change color over time due to UV exposure. Please contact ARDEX Technical Services for advice of external applications.
- For steam rooms and submerged applications allow ARDEX EG2 to cure for 10 days at 23°C before turning on steam or filling with water
- Keep grout protected and free from dirt, dust, stains, etc during its curing period

### Drying time

- ARDEX EG 2 can accept light foot traffic after approx. 12 hours and heavy traffic after approx. 24 hours at 23°C (keep grout protected and free from dirt, dust, stains, etc during its curing period). The full cure time is 14 days and requires 7 days for full stain resistance at 23 °C.\*\*
- The cured grout can resist most common chemicals in residential and commercial circumstances.
- ARDEX EG 2 is able to accept the use of most common household detergents and is resistant to common household stains (i.e. coffee, tea, fruit juice, etc). All spills should be cleaned immediately.

### Shelf life & Packaging

A 5kg unit of ARDEX EG 2 contains Parts A, B and C conveniently packaged in a mixing bucket.

24 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

**SAFETY DATE**

To avoid skin irritation wear gloves. If skin contact does occur, wash with soapy water. Remove any adhering solids with skin cleansing creams and in the event of irritation, seek medical attention.

If material enters the eyes, rinse with plenty of water for at least 15 minutes and seek medical advice.

If swallowed, do not induce vomiting, get patient to drink water as much as possible and seek medical advice.

Material Safety Datasheet is available upon request.

**Coverage**

You could estimate the consumption by the following formula.

$$\frac{(\text{Tile length(mm)} + \text{Tile breadth(mm)}) \times \text{Joint width(mm)} \times \text{Joint depth(mm)} \times 1.7}{\text{Tile length(mm)} \times \text{Tile breadth(mm)}}$$

= the result is in kg/m<sup>2</sup>

Following are some common examples

Joint Width (mm)	Tile Dimension (mm)	Grout Consumption (kg/m <sup>2</sup> )
3	200X100X6	0.46
2	150X150X5	0.25
2	100X100X5	0.35
2	50X50X5	0.68
5	50X50X5	1.70

We recommend considering at least 10% more consumption as the wastage due to application issues and tile surfaces.

**Technical Data:**

ARDEX EG 2 is compliant to ANSI A118.3 and tested according to JC/T1004-2006, EN 13888, ISO 13007 standards as an RG1 Reactive Resin Grout

JC/T1004-2006

Abrasion resistance	152 (loss in mm <sup>3</sup> )
Flexural strength	>6MPa
Compressive strength	>23MPa
Shrinkage	1mm/m
Water absorption	0.05g/240min

**Working Properties Table**

	5°C	23°C	35°C
Working time	90mins	30-45mins	15-20mins
Light weight traffic	24hrs	12hrs	6hrs
Heavy weight traffic	48hrs	24hrs	12hrs
Resistance to stain	14days	7days	3days
Full cure	28days	14days	7days