



ARDEX EG 3

Superior Epoxy Grout

Excellent stain and chemical resistance

Designed for grouting of artistic mosaic

Can be used for permanent wet areas, including swimming pool

For joint widths 1–3mm

Solvent free, low VOC, APEO free



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Superior Epoxy Grout

DESCRIPTION

ARDEX EG 3 Superior Epoxy Grout is a special designed solvent free epoxy grout with excellent stain and chemical resistance along with good workability.

USE OF APPLICATIONS

ARDEX EG 3 can be used for both internal and external area*(see in NOTES); wall and floor; specially suitable for residential, commercial and normal industrial areas where high standards of hygiene and cleanliness are required.

ARDEX EG 3 can be used for grouting different tiles, marble and glass mosaics with the joint of 1–3mm.

It's designed for grouting of artistic mosaic.

MIXING

Completely dispense, then thoroughly mix the 2 liquid components (A+B) with a paddle or spatula by hand into the clean ARDEX EG 3 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 (<600rpm) drill is advantageous. ARDEX EG 3 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.

Apply at the temperature between 10°C to 30°C.

GROUTING

- Preparation of the joints:** Be sure all tiles are cleaned and joints prepared properly. The residue in the joint might be visible and therefore affect the final appearance.
- Application of grout:** ARDEX EG 3 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.
- First Wash:** Right after the application of the grout, use plastic scoring pad to clean the surface of the tiles containing the slightly hardened grout in the joint. It's recommended to finish the first cleaning within 30min.
- Second Wash:** Approximately 4 hours after the first wash, clean the tile surface using cold water and suitable sponge.

NOTES

- The mixing ratio of ARDEX EG 3 is accurately designed; do not mix ARDEX EG 3 with any other material (water or solvent).
- During cleaning, please make sure no ponding water staying on the grout, otherwise the grouting material might turn whitening after curing.
- After ARDEX EG 3 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 3 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 EG 3 to cure for 7 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

SERVICE

- ARDEX EG 3 can accept foot traffic after approx. 24 hours at 23°C (for floor area). The full cure time is 7 days for full stain and chemical resistance at 23°C. Keep grout protected and free from dirt, dust, stains, etc during its curing period
- The cured grout can resist most common chemicals in residential and commercial circumstances. In terms of industrial circumstances, please consult ARDEX TS for professional advice.
- ARDEX EG 3 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

COVERAGE

You could estimate the consumption by the following formula.

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

the result is in kg/m²

You could also find some most common examples as below.

Joint Width (mm)	Tile Dimension (mm)	Grout Consumption (kg/m ²)
3	200X100X6	0.46
2	150X150X5	0.25
2	100X100X5	0.35
2	50X50X5	0.68
2	25X25X3	4.0

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

PACKAGING

A 2.2kg unit of ARDEX EG 3 contains Parts A, B and C conveniently packaged in a mixing bucket.

STORAGE AND SHELF LIFE

Store in dry conditions. ARDEX EG 3 has a storage life of not less than 24 months in the original unopened container. Protect from freezing

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TECHNICAL DATA

ARDEX EG 3 could fully meet RG1 in JC/T1004-2017

Abrasion	≤250mm ³
Flexural strength	≥30.0MPa
Compressive strength	≥45.0MPa
Shrinkage	≤1.5mm/m
Water absorption	≤0.1g/240min

PRECAUTIONS

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/ face protection as necessary. Observe personal hygiene, particularly washing hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

Working Properties Table

	10°C	23°C	30°C
Working time	60mins	30-45mins	15-20mins
Light Trafficable	48hrs	24hrs	12hrs
Heavy trafficable	96hrs	48hrs	24hrs
Resistance to stain/chemical	14days	7days	5days
Full cure	21days	10days	7days

The lowest working temperature is 10°C and the highest is 30°C.