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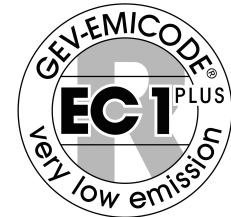
APRIL 2016
PRODUCT DATA SHEET

ARDEX EG 8 PLUS

Epoxide Tile Grout and Adhesive

Features

- Combines the chemical resistance of epoxy grouts, with the enhanced application properties of cement based grouts
- Ideal for use where high standards of hygiene, chemical resistance and cleanliness are required
- Ideal for use in wet areas, including swimming pools
- Easy to apply, no special application tools required
- Can be cleaned off the tile surface up to 60 minutes after application
- Waterproof and frost resistant
- Internal and external areas, walls and floors, including heated sub floors
- For joint widths 1-6mm
- Available in White, Grey, Silver Grey, Anthracite & Bahama Beige



Reg No. FM 01207

EMS 565427

OHS 628374

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ARDEX EG 8 PLUS

Epoxide Tile Grout and Adhesive

DESCRIPTION

ARDEX EG 8 PLUS Tile Grout and Adhesive combines the Technical performance properties of an epoxy based grout with the ease of application associated with cement based grouts, with no special tools required. The BS EN 13888 classification for ARDEX EG 8 PLUS is RG "Reaction resin grout". The BS EN 12004 adhesive classification is R2 "Reaction resin adhesive".

ARDEX EG 8 PLUS will prevent water penetrating into the cement based adhesive bed of glass tiles, stopping unsightly moisture staining showing through.

The hardened ARDEX EG 8 PLUS mortar can withstand full loads after 12 hours curing at normal temperatures and is resistant to aqueous salt solutions, chlorine water, commercial cleaning agents, alkalis, as well as a wide range of dilute mineral acids. Please refer to the table below for a full list of chemicals. Full chemical resistance is achieved after 7 days at normal temperatures.

USE

ARDEX EG 8 PLUS is particularly suitable for use in swimming pools, showers, bathrooms, shops, hospitals, hydrotherapy and spa baths, sports centres and other buildings where high standards of hygiene and cleanliness are required. ARDEX EG 8 PLUS can also be used as a floor tile/mosaic wall tile adhesive in areas where a chemically resistant adhesive bed is required.

MIXING

Note: Wear suitable eye/face protection and gloves when mixing. Avoid contact with the skin. See precautions section below.

Add the complete contents of the hardener container into the paste container.

Thoroughly mix the paste and hardener until a uniform mortar is produced.

The use of a propeller type stirrer in a slow speed drill is advantageous.

Transfer some of the mixed mortar back into the hardener container to disperse any hardener remaining in the container (back mixing).

ARDEX EG 8 PLUS is ready for immediate use and has a working time of approximately 60 minutes at 20°C. The working time is reduced at higher temperatures and extended at lower temperatures. It is recommended that the mortar is spread out immediately after mixing, as self-heating in the container will reduce the working time. Apply at temperatures above 10°C and no higher than 30°C.

GROUTING

For joint widths between 1-6mm. Unlike traditional epoxy grouts, ARDEX EG 8 PLUS is applied into the dry joint using a suitable grouting squeegee/float.

Highly textured tiles may benefit from the use of a hard rubber epoxy squeegee. Excess grout should be removed as work proceeds. The grout should be wiped off the face of the tiles when slightly hardened in the joints with a damp sponge up to 60 minutes after application, depending on the porosity of the tiles. To clean the tile surface use cold water and a suitable sponge.

The use of a fine mist from a suitable spray bottle will help to emulsify/soften the grout residues on the tile surface prior to cleaning down. Any residues left on the surface of the tiles can be removed with a Scotchbrite pad and water the following day. For wider joints use ARDEX WA (2mm to 12mm).

Tools should be cleaned before the mortar has hardened using a brush and water.

FIXING TECHNIQUE

The surface being adhered to, must be dry, dimensionally stable, sound and free of dust, contamination and other barriers to adhesion. Suitable tiling surfaces include concrete, cement/sand renders and screeds, rigidly fixed plywood, Terrazzo and other building materials. Where doubt exists to the suitability of the background apply a test area to check adhesion.

NOTE: ARDEX EG 8 PLUS is suitable for fixing wall mosaics, generally no larger than 25mm x 25mm ARDEX EG 8 PLUS White is recommended where glass/ translucent tiles or mosaics are being fixed, or where thin tiles or mosaics are to be grouted with white ARDEX EG 8 PLUS.

When fixing tiles, mosaics, etc. spread the ARDEX EG 8 PLUS over the surface with a trowel and comb with a notched trowel to give a ribbed mortar bed.

Use a suitably sized notched trowel. Press the tiles into the ribbed adhesive layer and thoroughly bed in using the appropriate technique to ensure good contact throughout. Once bedded, the tiles can be adjusted up to 30 minutes after fixing; tiles can be grouted 12 hours after fixing at 20°C.

Where acid based cleaning products are to be used on the hardened grout, we recommend that the product is first tested on the wetted grout before application, to ascertain the resistance of the colour/grout. Thorough rinsing off is required to remove any residues of the acidic cleaner to prevent discolouration/damage to the grouted joint.

Certain types of tile may be prone to surface discoloration or scratching when using this grout, e.g. some made of natural stone and some absorbent, textured or soft glazed ceramic tiles.

Consult BS 5385-1: 2009, or the tile manufacturer/distributor for further information and advice. If in doubt, carry out a trial application.

Information on natural stone products can be found in the ARDEX Natural Stone Tiling Installation Guide.

ARDEX EG 8 PLUS White may show marginal yellowing if subjected to UV light.

FIXING COVERAGE

1.7kg/mm/m².

PACKAGING

ARDEX EG 8 PLUS is supplied in pre-gauged containers. The paste is in the larger container with adequate space to mix in the hardener from the smaller container. A 4 kg unit consists of 3.2 kg primary paste and 0.8 kg of hardener.

STORAGE AND SHELF LIFE

Store in dry conditions. ARDEX EG 8 PLUS has a storage life of not less than 12 months in the original unopened containers.

ARDEX EG 8 PLUS

Epoxide Tile Grout and Adhesive

PRECAUTIONS

The hardener which contains trientine, 2,2- iminodiethylamine, and the epoxy resin which contains bisphenol A/F- epichlorhydrin oxirane, can be irritating to the eyes and skin and may cause sensitisation by contact. They are considered harmful in contact with the skin and if swallowed. During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin during mixing and application. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream.

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 the 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.

GROUT COVERAGE

This will depend upon the tile size, and joint width and depth. The grout coverage figure for ARDEX EG 8 PLUS is 1.7.

Highly textured tile surfaces may require between 0.1 and 0.2kg/m² of extra grout. Use the following to estimate the approximate grout requirements for square or rectangular tiles:- (all measurements in mm).

1. ADD length and breadth of tile together.
2. MULTIPLY result by joint width.
3. MULTIPLY result by joint depth.
4. MULTIPLY result by coverage figure (for EG 8 PLUS, 1.7).
5. DIVIDE result by length of tile.
6. DIVIDE result by breadth of tile.

The result is the material requirement in kg per m².

Quick and easy grout coverage can be calculated using the grout calculator available online at: www.ardex.co.uk

TECHNICAL DATA

In accordance with ARDEX quality standards.

Mixing ratio: Specified by the packing
Fresh mortar weight: ca. 1.7 kg/

Working time (20°C): Approx. 60 minutes

Open time (EN 1346): Approx. 30 minutes

Adjustment time: Approx. 30 minutes

Walkability (20 °C):
After sufficient drying approx. 12 hours at room temperature

TENSILE ADHESION STRENGTH

After 28 days dry, wet: More than 1 N/mm²

COMPRESSIVE STRENGTH

After 1 day: Approx. 55N/mm²

After 28 days: Approx. 70N/mm²

TENSILE BEDDING STRENGTH

After 1 day: Approx. 30N/mm²

After 28 days: Approx. 45N/mm²

RESISTANCE TO CHEMICALS IN ACCORDANCE WITH ARDEX QUALITY STANDARDS

Resistant to:
General purpose cleaners
Formic acid 1%*
Concentrated Ammonia solution Cilit Bang
DanKlorix (green)
Acetic acid 5%
Ethyl alcohol
Ethylene glycol
Fixative
Hydrofluoric acid 1%
Hydrofluoric acid 5%
Formalin solution
Glycerine
Urea solution
Potassium hydroxide solution
Petrol

Methyl alcohol 50%
Lactic acid 5%
Lactic acid 10%
Lactic acid 20%
Soft water
Motor oil
Sodium hydroxide
Vegetable fat
Phosphoric acid 10%
Phosphoric acid 40%
Nitric acid 10%
Hydrochloric acid 36%
Sulphuric acid 80%
Animal fats
Hydrogen peroxide 8%
Tartaric acid saturated solution
Citric acid
Treacle

*for industrial effluent the suitability should be checked in each case


Short-term resistance to:

Formic acid 3%
Chloroform Acetic acid 10%
Nitric acid 40%

Not resistant to:

Acetone
Acetic acid 20%
Methyl chloride

NOTE: Areas subject to extreme high pressure washing, such as abattoirs, should be grouted with ARDEX WA.

	
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24412/CPR/2013 EN 12004:2007+A1:2012 ARDEX EG 8 PLUS Reaction Resin Adhesive	
Reaction to fire:	Class E
Release of dangerous substances:	See MSDS
Initial shear adhesion strength:	≥2.0N/mm ²
Shear adhesion strength after water immersion:	≥2.0N/mm ²
Shear adhesion strength after thermal shock:	≥2.0N/mm ²
Open time:	≥0.5N/mm ²
Slip:	NPD

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to up date this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE

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