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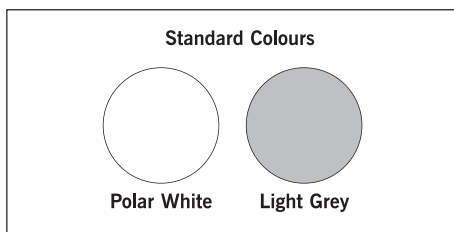
FEBRUARY 2017
(SUPERSEDES DECEMBER 2005)
PRODUCT DATA SHEET

ARDEX F4

Fine Wall Tile Grout

Features

- Available in Polar White and Light Grey
- Fine textured grout that is easy to apply and clean off
- For use on walls
- For tile joints up to 4mm wide
- For internal and external applications



Due to printing process, colours can only be approximate



Reg No. FM 01207

EMS 565427

OHS 628374

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ARDEX F4

Fine Wall Tile Grout

DESCRIPTION

ARDEX F 4 is a cement-based fine grouting compound for ceramic wall tiles and mosaics where the joint width does not exceed 4mm. The BS EN 13888 classification for ARDEX F4 is CG2A, an "improved cementitious grout with additional characteristic of high abrasion resistance". The powder is mixed with water to produce a soft, creamy and easily worked mortar with good filling properties, allowing joints to be completely filled in one operation. The hardened ARDEX F 4 joint is smooth, weather resistant, unaffected by water and can be used for internal and external tiling in dry and wet conditions, including swimming pools with non-aggressive water conditions.

NOTE: Where chemical spillages or corrosive liquids are likely to be in contact with the tile joints, use ARDEX WA Epoxide Adhesive and Grout or ARDEX EG 8 PLUS Epoxide Adhesive and Grout.

ARDEX F 4 can be used with the addition of ARDEX E 101 mortar admix to produce tile joints that are water repellent with improved elasticity and when grouting porcelain tiles. Alternatively, ARDEX-FLEX FS Flexible Tile Grout for Narrow Joints should be considered.

PREPARATION

Ensure tiles are firmly fixed and joints are clean and free of dust, excess adhesive and bedding mortar, etc.

MIX PROPORTIONS

The mixing proportions by volume of ARDEX F 4 are approximately:-

1 part water : 2³/₄ parts ARDEX F 4 powder
2.5kg of ARDEX F 4 requires approximately 0.75 litres of clean water.

11kg of ARDEX F 4 powder requires approximately 3.3 litres of clean water.

MIXING

To the required amount of clean water in a clean mixing container, add the powder whilst stirring thoroughly until a creamy, easily worked mortar is obtained. The mixed grout has a working time of 2 to 3 hours at 20°C. Higher temperatures shorten the working time.

NOTE: Some ceramic, vitrified, porcelain and natural stone tiles, or tiles with textured, matt glazed or porous surfaces, may be susceptible to surface discolouration during grouting. A trial application should be carried out to ascertain if discolouration is likely.

For moisture-sensitive natural stones that may be susceptible to water staining, ARDEX MG Tile Grout should be considered. Where necessary, particularly when using intense grout colours, apply a protective treatment to the tile face to

ensure the grout is not retained in the surface porosity /texture of the tile.

Guidance on the application of coloured grouts can be found in clause 7.3.4 of BS 5385: Part 1: 2009. If in any doubt, please contact the tile manufacturer or distributor for information and advice.

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.

APPLICATION

Using a rubber squeegee, work the mixed grout thoroughly into the joints ensuring they are completely filled. Excess grout should be removed as work proceeds, any residues left on the tile face can be removed by wiping off with a damp sponge between 15 minutes and 2 hours after application. The use of a fine mist from a suitable spray bottle will help in emulsifying the grout residues on the tile surface. Any dry film remaining on the tile surface can easily be removed by polishing off with a dry cloth when the grout has hardened in the joints.

Apply at temperatures above 5°C.

PACKAGING

ARDEX F 4 is packed in paper sacks incorporating a polyethylene liner - net weight 11kg or 2.5kg.

STORAGE AND SHELF LIFE

ARDEX F 4 must be stored in unopened packaging, clear of the ground in cool dry conditions and be protected from excessive draught. If stored correctly, as detailed above, the shelf life of this product is 12 months from the date shown on the packaging.

PRECAUTIONS

ARDEX F 4 contains more than 20% Portland cement and, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed:-

Avoid contact with skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children. Avoid generation of airborne dust during mixing.

NOTE: For further information, consult the relevant health and safety datasheet.

COVERAGE

This will depend upon the tile size, joint width and depth and the Grout Coverage Figure, which for ARDEX F 4 is 1.5.

Use the following to estimate the approximate grout requirements for square or rectangular tiles:-

Stage (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 Grout Coverage Figure (i.e. for ARDEX F 4, this is 1.5).
5. DIVIDE result by length of tile.
6. DIVIDE result by breadth of tile.

The result is the material requirement in kg per square metre.

Quick and easy grout coverage can be calculated using the ARDEX cement and epoxy based grout calculator online at:

www.ardex.co.uk/calculator.asp

SUMMARY

Material required is:-

$$\frac{(\text{length} + \text{breadth}) \times \text{width} \times \text{depth}}{\text{length} \times \text{breadth}} \times 1.5 = \text{kg/m}^2$$

TECHNICAL DATA

Initial Set (Vicat)	approx. 2½ hours
Final Set (Vicat)	approx. 4 hours
Bulk density of powder	approx. 1.2kg/litre
Density of fresh mortar	approx. 1.9kg/litre

BRINELL HARDNESS

After 7 days	approx. 55.0N/mm ²
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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 update 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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ARDEX online: www.ardex.co.uk