



CI/SfB

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BUILDING DIVISION
PRODUCT DATA SHEET

ARDEX F 4

Fine Wall Tile Grout

Features

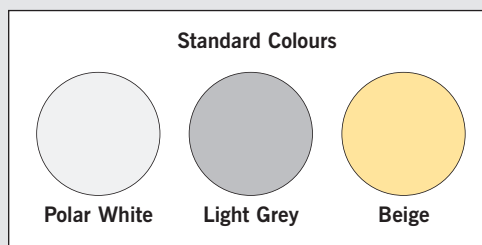
Available in polar white, beige or light grey

Fine textured grout that is easy to apply and clean off

For use on walls

For tile joint widths up to 4mm wide

For internal and external applications



Due to printing process, colours can only be approximate



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ARDEX F 4

Fine Wall Tile Grout

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 Coverage Figure (i.e. for F 4, 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.

Summary

Material required is:-

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

Example

Tiles 108mm x 108mm x 4mm; joints of 3mm:-

$$\frac{(108 + 108) \times 3 \times 4}{108 \times 108} \times 1.5 = 0.33\text{kg/m}^2$$

- thus one 2.5kg bag of ARDEX F 4 will grout up to 7.5m² of tiling.

These figures will differ when using other tile/joint dimensions:-

Joint width	Tile size	Approximate amount of ARDEX F 4 powder
3mm	100 x 200 x 6mm	0.41kg/m ²
2mm	150 x 150 x 6mm	0.24kg/m ²
2mm	108 x 108 x 4mm	0.22kg/m ²
2mm	50 x 50 x 4mm	0.48kg/m ²
2mm	25 x 25 x 4mm	0.96kg/m ²

Quick and easy grout coverage can be calculated using the cement and epoxy based grout calculator at ARDEX online: www.ardex.co.uk/calculator.asp

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 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 Grout.

ARDEX F 4 can be used with the addition of ARDEX E 101 mortar admix to produce tile joints with improved elasticity and water repellency.

PREPARATION

Ensure tiles are firmly fixed and joints are clean, 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 ARDEX F 4 requires approximately 0.75 litres of clean water.
- 11kg 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: Certain types of tile may be prone to surface discolouration or scratching when using this grout, e.g. some natural stone or absorbent, textured or soft glazed ceramic tiles. Consult BS 5385 : Part 1 : 1995 for further information or consult the tile manufacturer/distributor for advice. If in doubt carry out a trial application. Additional information on natural stone products may be found in our natural stone tiling guide.

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 and 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. 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 data sheet.

TECHNICAL DATA

Initial Set (Vicat)	approx. 2 ¹ / ₂ 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

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.