



ARDEX F 4 SE

Unsanded Wall & Floor Coloured Grout

Fine, smooth grout that is easy to apply and clean off

For use on walls & floors: tile joints up to 4mm wide

For internal and external applications

Available in different colours matching tile trends



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ARDEX F 4 SE

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DESCRIPTION

ARDEX F 4 SE is a cement-based fine, smooth 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 SE 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 Epoxide Grout (ARDEX EG 15).

ARDEX F 4 SE can be used with the addition of ARDEX Grout Booster to product tile joints with improved properties.

SURFACE PREPARATION

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

MIXING PROPORTIONS

The mixing proportions by volume of ARDEX F 4 SE are approximately: 20 kg ARDEX F4 SE powder requires approx. 5 - 5.6L 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.

APPLICATION

Using a rubber squeegee or sponge, 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 be removed by polishing off with a dry cloth when the grout has hardened in the joints. Apply at temperatures above 5°C.

DRYING TIMES

Approximately 24 hours at 23°C and 50% relative humidity. Allow longer for lower temperatures or high relative humidity.

COVERAGE

Approximate coverage shown below. Allow 15 - 20% for wastage depending on site conditions, tile type etc.

Tile Size (mm)			20kg bag covers (m ²)			
Length	Width	Thick-ness	Joint width (mm)			
			1.5mm	2mm	3mm	4mm
25	25	5	22	17	11	8
50	50	5	44	33	22	17
100	100	5	89	67	44	33
150	150	5	133	100	67	50
300	300	5	267	200	133	100

CLEANING

All tools should be cleaned with water immediately after use.

TECHNICAL DATA

Mixing ratio:	5L - 5.6L / 20kg powder
Working time:	2-3hrs @20°C
Drying time:	24hrs @20°C
Initial set:	approx. 2 1/2 hrs
Final set:	approx. 4 hrs
Bulk density of powder:	approx. 1.2 kg/litre
Density of fresh mortar:	approx. 2.0 kg/litre

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Brinell hardness after 7 days:	approx. 55 N/mm ²
Compressive Strength after 28 days:	≥ 20 Mpa
Flexural Strength after 28 days:	≥ 5 Mpa
Water absorption, 30 mins	≥ 3 g
Colours:	18 (see colour chart)

PACKAGING

ARDEX F 4 SE is packed in a 20 kg bag.

STORAGE AND SHELF LIFE

ARDEX F 4 SE must be stored in unopened packaging, clear of 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.

SAFETY PRECAUTIONS

ARDEX F 4 SE 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.

Consult the relevant Material Safety Datasheet for further information (available upon request and online at www.ardex.com.sg).

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the

product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development.

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