



ARDEX FG 1

Standard Wide Joint Tile Grout

Available in ARDEX standard colors

For tile joints from 4mm to 12mm in width

Easy to apply and clean off

For internal and external applications



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DESCRIPTION

ARDEX FG 1 is suitable for grouting wall or floor tile joints from 4mm to 12mm wide.

When mixed with water, ARDEX FG 1 produces a soft, creamy, easily worked mortar with good filling properties, enabling deep joints to be filled in one operation. The hardened grout is weather resistant, unaffected by water and is suitable for internal and external use in dry or wet conditions, including swimming pools with non-aggressive water conditions. The surface of the hardened grout has a textured finish and is not impervious.

NOTE: ARDEX E 50 Grout Additive may be incorporated in the ARDEX FG 1 to produce a mortar with elastic and water repellent properties. This is particularly useful when grouting tiles fixed to high-end swimming pools and light duty areas, such as timber substrate, floor heating substrate or large span floors. Where chemical spillages or corrosive liquids are likely to be in contact with the tile joints, use ARDEX epoxy grout.

PREPARATION

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

MIX PROPORTIONS

25kg ARDEX FG 1 requires approximately 4.25–4.75 litres of 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 at least 1 hour at 20° C. Higher temperatures shorten the working time.

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

When applied in external area, avoid rain drop erosion during curing.

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 10° C.

When cleaning, the sponge should not be absorbing too much water to avoid affecting the curing and color of the grout.

PACKAGING

ARDEX FG 1 is packed in paper sacks incorporating a polyethylene liner – net weight 25kg

STORAGE AND SHELF LIFE

ARDEX FG 1 has 12 months shelf life when stored in unopened packaging and cool dry conditions (23° C, 50% RH).

TECHNICAL DATA

Water ratio:	17–19%
Can walk on:	24 hrs.
Compressive strength:	>30MPa
Flexural strength:	>7MPa
Water absorption:	<0.50g in 30min
Abrasion resistance:	≤2000mm ³
Classification:	CG1 (JC/T1004-2017)

PRECAUTIONS

ARDEX FG 1 is non-hazardous in normal usage, however it contains Portland cement and quartz sand and is irritating to eyes and skin under long time exposure. For this reason the following precautions should be observed: Avoid generation of airborne dust during mixing and inhaling dust; avoid contact with skin and eyes; wear suitable protective devices such as dust proof mask, gloves and goggles. In case of contact with eyes, rinse immediately with plenty of water for a couple of minutes. In case of contact with skin, wash under running water. If inhaled, move to fresh air area, maintain airway patent and wash mouth with fresh water. Seek medical advice if unwell symptoms occur. ARDEX FG 1 is safe for human body and environment when hardened.

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