



ARDEX G6 FLEX 1-6

Flexible Cementitious Grout

- For joint widths from 1 - 6 mm
 - Fine and smooth grout face
 - Flexible, water and dirt repellent, thus preventive anti fungal protection
 - High strength
 - Crack free
 - For easy grouting with extended washing period
- White
 - Light Gray
 - Cement Gray
 - Bahama Beige
 - Anthracite
 - Bali Brown
 - Jasmine
 - Silver Gray
 - Jura Beige
 - Basalt
 - Dark Brown



DESCRIPTION

ARDEX G6 FLEX 1-6 is a cement-based grouting compound with excellent flexible and water repellent properties, without the need to add a separate admix.

USE

The TS EN 13888 classification for ARDEX G6 FLEX 1-6 is CG2 WA, an "improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance".

ARDEX G6 FLEX 1-6 is suitable for grouting joints up to 6mm wide, between porcelain, ceramic, non-moisture sensitive natural stone and quarrytiles, as well as extruded tiles and glass blockwork. The hardened grout is weather resistant, unaffected by water, and can be used for internal and external tiling in dry and wet locations, including swimming pools with non-aggressive water conditions.

ARDEX G6 FLEX 1-6 can be applied to both wall and floor tile joints and can receive foot traffic after 4 hours at 20°C

Where chemical spillages or corrosive liquids are likely to be in contact with the tile joints, use either ARDEX WA Epoxide Adhesive and Grout or ARDEX RG 12 1-6 Epoxide Adhesive and Grout

PREPARATION

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

MIXING

Add the ARDEX G6 FLEX 1-6 powder to the required amount of clean water in a clean container, whilst stirring thoroughly until a creamy, easily worked mortar is obtained. The mixed grout has a working time of approximately 1 hour at 20°C and will be walkable after approximately 4 hours. Higher temperatures will shorten, and lower temperatures will extend the working time.

APPLICATION

Using a rubber squeegee or rubber backed trowel, work the grout mortar thoroughly into the joints, ensuring that 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, up to 30 minutes after application. If an area is left for more than 30 minutes prior to cleaning, the grout residues may require moistening in order to make wiping off easier.

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 left remaining on the tile surface after cleaning 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.



ARDEX Yapı Malzemeleri Limited Şirketi
İstanbul Deri Organize Sanayi Bölgesi Desen Sk.
No:14/A C1 Özel Parsel Tuzla/İstanbul/Turkey
Tel.:+90 (216) 394 0114 Fax:+90 (216) 394 0377
info@ardex.com.tr - www.ardex.com.tr

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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 natural stone that may be susceptible to water staining, ARDEX MG Rapid Drying Marble and Natural Stone 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.

PRECAUTIONS

ARDEX G6 FLEX 1-6 contains more than 20% Portland cement and, therefore, 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.

DISPOSAL

Dispose of waste and residue in accordance with local authority guidelines. For further information, consult the relevant Health and Safety Datasheet.

NOTE: 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. Where acidic cleaners are routinely used, consideration should be given to using ARDEX RG 12 1-6 Epoxide Adhesive and Grout.

*Due to the production process all colours are approximate. Grout colours may vary when dry, depending on the type of tile installed, substrate and installation conditions.

Technical Data According To ARDEX Quality Standards

Mixing Ratio: 1,45 lt water for 5 kg powder
5,80 lt water for 20 kg powder
Values are approximate

Bul density: approx. 1,2 kg/l

Weight fresh of mortar: approx. 1,9 kg/l

Consumption:

For 3mm width, 5mm depth

For 60 x 60 cm tiles approx. 0,10 kg/m²

For 30 x 30 cm tiles approx. 0,20 kg/m²

For 15 x 15 cm tiles approx. 0,40 kg/m²

For 10 x 10 cm tiles approx. 0,60 kg/m²

For 5 x 5 cm tiles approx. 1,15 kg/m²

Working time / Pot life *: approx. 1 hour

Walkability *: approx. 4 hours

*All data is approximately based on laboratory test made at a temperature of +20°C and relative humidity of %65. Environmental conditions may change these values. Higher temperatures and lower relative humidity decrease these duration whereas lower temperature and higher relative humidity increases them.

Brinell Hardness: After 1 day 35 N/mm²
After 3 days 55 N/mm²
After 7 days 65 N/mm²
After 28 days 75 N/mm²

Suitable for underfloor heating: Yes

EMICODE: EC1^{Plus}, Very low emissions

GHS/CLP classification: GHS05, Corrosive

GGVSEV/ADR classification: None

Packaging: 5 kg paper bag or
20 kg paper bag

Storage and Shelf life: ARDEX G6 FLEX 1-6 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.

Recommended mixing paddle:

