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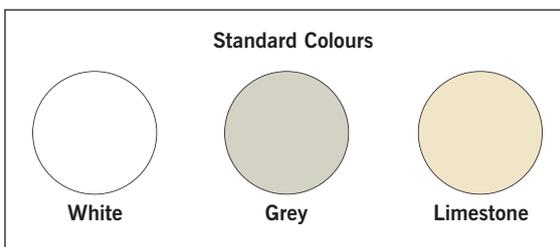
FEBRUARY 2017  
(SUPERSEDES JANUARY 2006)  
PRODUCT DATA SHEET

# ARDEX C2

## Wall and Floor Tile Grout

### Features

- Available in White, Grey & Limestone
- For tile joints 2mm+ wide
- Easy to apply and clean off
- For use on floors and walls
- For internal and external applications



Due to printing process, colours can only be approximate



Reg No. FM 01207

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# ARDEX C 2

## Wall and Floor Tile Grout

### DESCRIPTION

ARDEX C 2 is suitable for grouting wall or floor tile joints from 2mm to 20mm wide. The BS EN 13888 classification for ARDEX C 2 is CG2A, an "improved cementitious grout with additional characteristic of high abrasion resistance". The ARDEX C 2 powder, when mixed with water, produces a soft, creamy, easily worked slump-free 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:** 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 EG 8 PLUS Epoxide Adhesive and Grout.

In light duty areas, ARDEX E 101 Grout Improver Admix may be incorporated in the ARDEX C 2 to produce a mortar with elastic and water repellent properties. This is particularly useful when grouting tiles fixed to timber, or when tiling domestic floors and around swimming pools. For heated subfloors and porcelain tiles the grout should include ARDEX E 101 Grout Improver Admix. Alternatively, ARDEX-FLEX FL Rapid Setting Flexible Tile Grout for Wide Joints or ARDEX-FLEX FS Flexible Tile Grout for Narrow Joints should be considered.

For heavily trafficked areas, especially where the grout will be subjected to high point loads, ARDEX GK, or ideally ARDEX WA/ARDEX EG 8 PLUS should be used in preference to ARDEX C 2.

### 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 are approximately:-  
1 part water : 3½ parts ARDEX C 2 powder.  
11kg of ARDEX C 2 requires approximately 2.2 litres of water.  
5kg of ARDEX C 2 requires approximately 1 litre of water.

### MIXING

To the required amount of clean water in a clean container, add the powder whilst stirring thoroughly until a creamy, slump free, 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 stone that may be susceptible to water staining, ARDEX MG 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 or rubber backed trowel, 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 C 2 is packed in paper sacks incorporating a polyethylene liner - net weight 11kg or 5kg.

### STORAGE AND SHELF LIFE

ARDEX C 2 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 C 2 contains more than 20% Portland Cement and is therefore 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.

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 C 2 is 1.7.

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 C 2, this is 1.7).
5. DIVIDE result by length of tile.
6. DIVIDE result by breadth of tile.

The result is the material requirement in kg per sq. 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](http://www.ardex.co.uk/calculator.asp)

### SUMMARY

Material required is:-

$$\frac{(\text{length} + \text{breadth}) \times \text{width} \times \text{depth}}{\text{length} \times \text{breadth}} \times 1.7 = \text{kg/m}^2$$

### TECHNICAL DATA

|                         |                           |
|-------------------------|---------------------------|
| Initial Set (Vicat)     | approximately 2½ hours    |
| Final Set (Vicat)       | approximately 4 hours     |
| Bulk density of powder  | approximately 1.4kg/litre |
| Density of fresh mortar | approximately 2.0kg/litre |

### BRINELL HARDNESS

After 7 days 45.0 N/mm<sup>2</sup>

Temperature resistance Up to 80°C

**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:**  
**01440 714939**  
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