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DECEMBER 2005
PRODUCT DATA SHEET

ARDEX MG

Rapid Drying Marble and Natural Stone Grout

Features

ARDEX Rapidry Formula technology binds the mix water within the grout virtually eliminating the risk of water staining of the tile edges

Walkable after 1¹/₂ hours

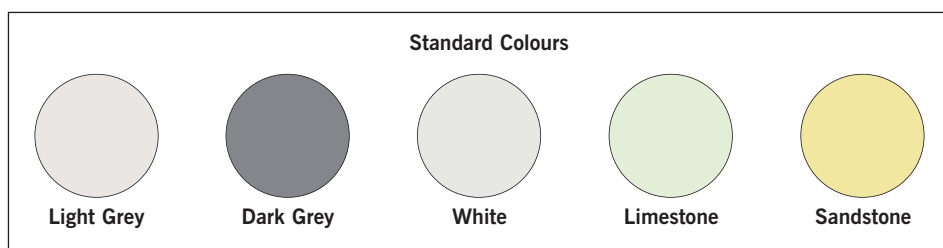
For tile joints up to 8mm

Easy to apply and clean off

For use on floors and walls

For internal applications including heated sub-floors

Available in white, light grey, dark grey, limestone and sandstone



Due to printing process, colours can only be approximate



What is the Rapidry Formula?

It is the ability of the mortar to totally bind the water used for mixing, virtually eliminating the risk of water staining.



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ARDEX MG

Rapid Drying Marble and Natural Stone Grout

COVERAGE

This will depend upon the natural stone size, joint width and depth and the Grout Coverage Figure, which for ARDEX MG is 1.45.

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 natural stone together.
2. MULTIPLY result by joint width.
3. MULTIPLY result by joint depth.
4. MULTIPLY result by Coverage Figure (i.e. for MG, 1.45).
5. DIVIDE result by length of natural stone.
6. DIVIDE result by breadth of natural stone.
- the result is the material requirement in kg per square metre.

Summary

Material required is:-

$$\frac{(\text{length} + \text{breadth}) \times \text{width} \times \text{depth}}{\text{length} \times \text{breadth}} \times 1.45 = \text{kg/m}^2$$

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

Example

Natural stone 300mm x 300mm x 20mm; joints of 8mm:-

$$\frac{(300 + 300) \times 20 \times 8}{300 \times 300} \times 1.45 = 1.55\text{kg/m}^2$$

- thus one 11kg bag of ARDEX MG will grout up to 7m² of such tiling.

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

Joint width	Tile size	Approximate amount of ARDEX MG powder
8mm	300 x 300 x 10mm	0.8kg/m ²
8mm	200 x 100 x 8mm	1.4kg/m ²
5mm	200 x 200 x 6mm	0.4kg/m ²
3mm	150 x 150 x 5mm	0.3kg/m ²

DESCRIPTION

ARDEX MG is suitable for grouting natural stone or marble wall or floor tile joints up to 8mm wide. The ARDEX MG powder, when mixed with water, produces a soft, creamy, easily worked mortar with good filling properties, enabling deep joints to be filled in one operation. The hardened grout is suitable for internal use in intermittently wet conditions. The surface of the hardened grout has a textured finish and is not impervious.

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 are approximately:-

1 part water : 2½ parts ARDEX MG powder.

11kg ARDEX MG requires approximately 3.4 litres of clean 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 30 minutes at 20°C. Higher temperatures shorten the working time.

NOTE: Certain types of natural stone may be prone to surface discoloration or scratching by grout mortars. Refer to BS 5385 : Part 1 : 1995 for further information or consult the tile supplier/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 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 and any residues left on the tile face can be removed by wiping off with a damp sponge between 15 and 30 minutes after application. Apply at temperatures above 5°C.

PACKAGING

ARDEX MG is packed in paper sacks incorporating a polyethylene liner - net weight 11kg.

STORAGE AND SHELF LIFE

ARDEX MG 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 MG is considered non-hazardous in normal usage. The presence of cement in the product gives an alkaline mortar, which may cause some local irritation if prolonged contact with the skin takes place. Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes.

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

TECHNICAL DATA

Bulk density of powder: approximately 1.3kg/ltr
Weight of fresh mortar: approximately 1.9kg/ltr
Working time (20°C): approximately ½ hour
Walkability (20°C): after approximately 1½ hrs

Ball Pressure Hardness:

After 1 day approximately 40 N/mm²
After 3 days approximately 60 N/mm²
After 7 days approximately 70 N/mm²
After 28 days approximately 80 N/mm²

GISCODE: ZP1

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.