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PRODUCT DATA SHEET

ARDEX A 125

Fine Coat Smoothing & Finishing Render for Internal & External Walls & Ceilings

Features

- Ideal for skim coat wall and ceiling rendering - apply up to 5mm
- Finishes to a smooth surface suitable for painting
- Fast track - ready to receive decorative finishes the next day
- Extended pot life of 4 hours
- Provides a hard wearing surface
- Water and weather resistant
- Suitable for internal and external locations
- Non-combustible – Class A1 in accordance with EN 13501-1



Reg No. FM 01207

EMS 565427

OHS 628374

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ARDEX A 125

Fine Coat Smoothing & Finishing Render for Internal & External Walls & Ceilings

DESCRIPTION

ARDEX A 125 is a grey, cement-based, fine coat finishing render for walls and ceilings. It is mixed with water to produce an easily-worked, slump-free mortar which dries to a hard wearing, water and weather resistant finish, with a smooth, dense surface suitable for painting.

USE

ARDEX A 125 is used for levelling and smoothing over surface irregularities on wall and ceiling backgrounds such as concrete, brickwork, blockwork and previously applied cement/sand renders prior to applying paints and other cement-resistant decorative coatings. It is suitable for internal and external use, and is an ideal solution for areas subject to moisture such as swimming pool halls and underground tunnels.

NOTE: Low strength backgrounds such as lime/sand renders are not suitable surfaces to apply ARDEX A 125.

SURFACE PREPARATION

The surface to be rendered can be dry or moist but must be rigid, clean and free of dust, grease and other barriers to adhesion. The use of ARDEX DGR is recommended for the removal of oils, waxes and any other barriers to adhesion, from the substrate. Any residues of existing surface coatings which are not firmly bonded to the substrate must be removed prior to application.

In-situ concrete walls, brickwork and concrete blockwork should be at least 6 weeks old to allow for initial drying shrinkage to occur.

Any paint, gypsum plaster or other barriers to adhesion should be thoroughly removed to expose a clean, sound background. Settlement cracks can be filled with the rendering mortar; however, there is no guarantee that cracks of this kind caused by structural movement can be eliminated. Small cracks should be cut out and enlarged so that better contact of the material is obtained. Metal components must be given adequate corrosion protection.

If rendering to dense surfaces such as old glazed bricks, ceramic tiles, timber framed constructions or where old paint finishes cannot be removed, the use of anchored reinforcement, securely fixed to the background, should be installed. The anchored reinforcement should be secured in accordance with the guidelines given in BS 5385: Part 2: 2006: Clause 9. The substrate must be prepared whether internal or external, so as to guarantee the adhesion of the render when applied. We recommend ARDEX AM 100 Rapid Hardening One Coat Render be applied through the reinforcement. This can be applied up to 20mm thick, allowed to harden for at least two hours and then smoothed with a thin layer of ARDEX A 125 to provide the smooth surface required.

MIXING

Add the ARDEX A 125 powder to water in a clean container whilst stirring and mix thoroughly to produce a slump-free, easily worked mortar.

The use of an ARDEX mixing paddle with a 10mm chuck variable speed electric drill, makes light work of mixing.

The mixing proportions by volume are: 3 to 3½ parts ARDEX A 125 powder to 1 part water.

A 22kg bag of ARDEX A 125 requires approximately 5½ to 6 litres of water.

The pot life of the mixed mortar is approximately 4 hours at 20°C.

APPLICATION

The mixed mortar should be applied with a suitable trowel to the prepared substrate initially as a bonding layer/scratch coat to a thickness of approximately 1mm, then apply the ARDEX A 125 mixed mortar to the required thickness, fresh in fresh; this will help reduce "bubbling" of the mortar. Apply up to a maximum thickness of 5mm. To obtain a smooth finish, lightly apply a wet trowel across the mortar surface once it has become sufficiently firm. This is usually after approximately one hour at 20°C. Once dry, after approximately 24 hours at 20°C, ARDEX A 125 can be covered with paint or other cement-resistant decorative coatings.

Where thicker applications are required in localised areas e.g. for filling cracks, holes and surface depressions, ARDEX A 46 Rapid Setting and Hardening Mortar for Internal and External Repairs should be used; for further Technical information, please refer to the ARDEX A 46 datasheet or contact ARDEX Technical Services. To achieve a smoother finish, apply ARDEX A 125 on top of the ARDEX A 46 once it has become sufficiently firm, usually after approximately one hour at 20°C.

Alternatively, for deeper applications over larger areas, ARDEX AM 100 Rapid Hardening One Coat Render can be applied from 2mm to 20mm, and can then be smoothed over with ARDEX A 125 after just 2 hours; for further information, please consult the ARDEX AM 100 datasheet or contact ARDEX Technical Services.

NOTE: The mortar should be applied at temperatures above 5°C. The drying and hardening times are dependent on site conditions and will be extended at lower temperatures, and shortened at higher temperatures.

COVERAGE

Material requirement is approximately 1.4kg of ARDEX A 125 powder per m² per millimetre thickness i.e. approximately 5m² at 3mm thick per bag.

PACKAGING

ARDEX A 125 is packed in paper sacks incorporating a polyethylene liner - net weight 22kg.

STORAGE AND SHELF LIFE

ARDEX A 125 must be stored in unopened packaging, clear of the ground; in cool, dry conditions and protected from excessive draught. If stored correctly, the shelf life of this product is 12 months from the date shown on the packaging.

ARDEX A 125 contains a reducing agent to control the level of Chromium VI when mixed prior to use. If stored correctly, as detailed above, and used within 12 months of the date shown on the packaging, the activity of the reducing agent (added to control the level of soluble Chromium VI) will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2ppm) soluble Chromium VI of the total dry weight of the cement content of this product. Use of the product after the end of the declared storage period may increase the risk of allergic reaction.

NOTE: For the latest technical or health and safety data on this product, consult the current technical or health and safety data sheet online at www.ardex.co.uk

TECHNICAL DATA

Bulk density of powder	approx. 1.6kg/litre
Weight of fresh mortar	approx. 1.8kg/litre
Initial Set (Vicat)	approx. 4 hours
Final Set (Vicac)	approx. 12 hours

COMPRESSIVE STRENGTH

After 28 days approximately 14.5 N/mm²

TENSILE BENDING STRENGTH

After 28 days approximately 6 N/mm²

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
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