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PRODUCT DATA SHEET

ARDEX A 828

Filling Compound and Smoothing Plaster



Features

- Ideal for smoothing and plastering a variety of surfaces, *such as - render, concrete, aerated concrete, plasterboard, construction boards*
- Can be used as a deep wall filler with all the advantages of a fast setting plaster
- Can receive paint in as little as 1-2 hours
- Can fill large surface depressions in walls and ceilings
- Covers old decorative finishes such as ARTEX
- Available in a lemon scent for sensitive installations
- Slump, tension and crack free



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ARDEX A 828

Filling Compound and Smoothing Plaster

DESCRIPTION

ARDEX A 828 is a brilliant white, rapid hardening, gypsum based plaster for filling, smoothing and finishing interior walls and ceilings.

USE

ARDEX A 828 provides an ideal background on which to apply paint and wallpaper finishes. ARDEX A 828 can also be used as a high build plaster for filling and repairs. With its slump free properties ARDEX A 828 can be easily and swiftly applied in a single operation, even at thicker applications.

ARDEX A 828 can be used on the following substrates:

- Plasterboard
- Pre-rendered walls
- Suitable concrete backgrounds
- Aerated concrete
- Lightweight blocks
- Construction boards
- Over old, sound decorative finishes

ARDEX A 828 can also be used:

- As a lightweight adhesive for lightweight blocks (non-structural use)
- For filling large static cracks and deep holes
- For making good and filling electrical wall chases
- Can facilitate 'dot and dab' plaster board to walls
- For smoothing and plastering raw masonry, concrete, aerated concrete, lightweight building boards, softboards and insulation boards
- To easily cover old, sound 'ARTEX' type wall and ceiling finishes
- To fill joints in gypsum plasterboards and other building boards
- To fill and smooth joints in pre-fabricated concrete ceilings
- For laying gypsum planks
- For dowelling and positioning of rawlplugs for non-structural fittings and fixtures

The extra fine formulation can help to achieve a feather edge, ideal for achieving a high quality, smooth finish. It is tension free with a non-shrink formulation and even at very thin bed depths, the product creates a hard, crack free sound surface which is not affected by wallpaper adhesives, water or solvent based paints.

SUBSTRATE PREPARATION

Surfaces should be rigid, dry, clean and free from dust, grease and other barriers to adhesion. The product will adhere directly to absorbent construction boards, cement or gypsum-based plasters.

Most absorbent surfaces do not require priming, a scratch coat is recommended. Smooth concrete should be primed with ARDEX P 51 Concentrated Water-Based Primer and Bonding Agent. Dilute with 3 parts water to 1 part primer, apply with a brush and allow to dry.

Other smooth and dense surfaces such as varnished finishes, oil based paints and other non-absorbent finishes may require priming with ARDEX P 82 Water Based Epoxy Primer and Bonding Agent or ARDEX P 4 Ready Mixed Rapid Drying Multi-Purpose Primer.

NOTE: Compatible primers should always be used. If in doubt perform a trial application.

MIXING

Gradually add 2 parts by volume of powder to 1 part by volume of clean water while stirring, and thoroughly mix until a lump-free consistency is achieved. The use of a drill and appropriate mixing paddle, suitable for the volume being mixed, is recommended.

Mixing by hand is possible for small quantities. Allow the product to stand for approximately 2-3 minutes to allow all of the high performance additives to fully dissolve and wet out before remixing the product to a smooth creamy consistency. The mixed product is easy to apply with a working time of approximately 30 minutes.

APPLICATION

The unique hardening properties of ARDEX A 828 means entire walls can be smoothed and finished in one process, rather than stage by stage applications associated with traditional gypsum based plasters.

Due to the slump free properties no 'roll off' of plaster will occur during application to walls and floors.

Apply with a trowel, blade or filling knife. Holes should be filled gradually from the edges to help avoid any air bubbles. Any imperfections should be removed with a damp sponge prior to drying, avoiding the need for sanding down. It is also possible to remove imperfections with a damp sponge and re-trowel to create a smooth finish.

If preferred, the product can be sanded smooth when it has hardened to remove any imperfections, or alternatively a subsequent coat may be applied. Apply at temperatures above 5° C.

THICKNESSES

ARDEX A 828 can be applied from a feather edge up to 30mm.

Decorative finishes, such as paint or wallpaper, can be applied once the surface is dry.

DRYING TIMES

Decorative finishes such as paint or wallpaper can be applied once the surface is dry. Drying times vary according to the ambient conditions and bed thickness. At 20°C a 1-2mm layer will be dry in approximately 1 hour and a 10mm thick layer will be surface dry in approximately 5-6 hours.

SUBSEQUENT TREATMENT

Old decorative finishes on walls and ceilings such as 'ARTEX', can be smoothed with ARDEX A 828. Checks should be performed to ensure that the old covering is sound, free of barriers to adhesion and is well-adhered to the background.

Remove high spots with the edge of a steel float and prime with ARDEX P 51 Concentrated Water-Based Primer and Bonding Agent diluted with 3 parts water to 1 part primer which should be applied with a brush. Allow the primer to dry before applying a scratch coat of mixed ARDEX A 828 to fill the surface of the structured finish. Allow to dry before applying an additional layer of mixed ARDEX A 828 to the required thickness. This can be smoothed with a large straight edge whilst still fresh. Any imperfections should be removed with a damp sponge prior to drying, thus avoiding the need to sand down.

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It is also possible to remove imperfections with a damp sponge and reapply with a trowel to create a smooth finish.

If preferred, the product can be sanded smooth when it has hardened to remove any imperfections, or alternatively a subsequent coating may be applied.

COVERAGE

Approximately:
25m² @ 1mm thickness.
8.5m² @ 3mm thickness.

PACKAGING

ARDEX A 828 is packaged in paper sacks with a polyethylene lining – net weight 25kg and 5kg.

STORAGE AND SHELF LIFE

This product must be stored in its original packaging, clear of the ground in cool, dry conditions and protected from excessive temperatures. If stored correctly, the shelf life of this product is 12 months. Ensure part-used bags are resealed.

- Conforms to EN 13963: 2014 Jointing Material for Gypsum Boards
- Non-combustible – A1 in accordance with EN 13501-1

TECHNICAL DATA

Technical data according to ARDEX quality standards:
Mixing ratio: approx. 13 litres of water to 25kg powder is equivalent to approx. 1 vol. of water: 2 vol. of powder.
Bulk density: approx. 1.0kg/litre
Mortar weight when freshly mixed: approx. 1.5kg/litre

Material requirement: approx. 1.0kg powder per m²/mm

Working time: (20°C): approx. 30 minutes

Painting and pasting work: after drying

Ball pressure hardness

after 28 days: approx. 9 N/mm²

Tensile bending strength

after 28 days: approx. 4 N/mm²

pH-Value: approx. 8

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.

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