



ARDEX A 828

Filling Compound and Smoothing Plaster

- Ideal for smoothing and plastering a variety of surfaces, such as - render, concrete, aerated concrete, plasterboard and 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
- Slump, tension and crack free



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 fill joints in gypsum plasterboards and other building boards
- To fill and smooth joints in prefabricated concrete ceilings
- For laying gypsum planks
- For dowelling and positioning of rawplugs for non-structural fittings and fixtures

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56130 EN 13963:2014 ARDEX A 828 Joint filler for joint filling without joint cover strips EN 13963:4B Bending break load:> 400N Fire classification: A1



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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 PREPERATION

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 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.,

THICKNESS

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 can be smoothed with ARDEX A 828. Checks should be performed to ensure that the old cov-

ering 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.

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.

Technical Data According to ARDEX Quality Standards

Mixing ratio:	13 liters of water per 25 kg bag
Bulk density of powder:	Approx. 1,0kg/l
Weight of fresh mortar:	Approx. 1,5kg/l
Material requirement:	Approx. 1,0kg powder/m ² -mm
Quality Class	requirement in kg per m ²
Q1	0,3
Q2 over Q1	0,1
Q3 over Q2	0,2
Q4 for every mm	1,0
Working time (+20°C)	Approx. 30 minutes
Painting and pasting work:	After drying
Compressive strength:	Approx. 9 N/mm ² after 28 days
Flexural strength:	Approx. 4 N/mm ² after 28 days
pHValue	Approx. 8
GISCODE:	CP1 - Calciumsulphate based filling mortar, out of classification
EMICODE:	EC 1 ^{PLUS} - Very low emmission
GHS/CLP classification:	None
GGVSEV/ADR classification:	None
Packaging	25 kg paper bag 5 kg paper bag
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.