



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 applied from a zero thickness
- Can fill large surface depressions in walls and ceilings
- Fast curing, an receiving paint in as little as 1-2 hours
- Slump, tension and crack free
- Very easy to sand



Description

White powder based on gypsum and plastic.

When mixed with water, it forms a smooth, paste-like levelling compound which, after hardening, adheres firmly to all nonslip wall and ceiling areas, regardless of whether these are masonry, concrete, aerated concrete, lime, gypsum or cement plaster or building boards.

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 is permeable to diffusion and is a suitable substrate for paints, wallpapers and decorative techniques.

Use

Indoors; on walls and ceilings.

ARDEX A 828 can be used on plasterboard, pre-rendered walls, suitable concrete backgrounds, aerated concrete, lightweight blocks, construction boards, over old and 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 raw plugs 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.

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ARDEX Yapı Malz. Ltd. Şti. İstanbul Deri Org. San. Bölğ. Desen Sk. No:14/A C1 Özel Parsel Tuzla / İstanbul / Turkey 19
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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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) or ARDEX P 51 Mix and 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.

Suitable primers should be selected from the ARDEX product range according to the absorbency and type of substrate (see table). The selected product must be applied in accordance with the relevant product technical data sheet.

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

Substrate	Primer
Aerated Concrete	No Primer Required
Concrete	ARDEX P 51
Brick masonry	No Primer Required
Gypsum board	No Primer Required
Sand-lime brick	No Primer Required
Gypsum filler	No Primer Required
Gypsum and gypsum fibre boards	No Primer Required
Cement fibre boards	No Primer Required
OSB boards, EN 300	ARDEX P 82
Wood chipboard P4-P7	ARDEX P 51/ARDEX P 82
Tile and slab coverings	ARDEX P 4/ARDEX P 82
Natural stone	ARDEX P 4/ARDEX P 82
Acrylic laquer coatings and alkyd resins coatings	ARDEX P 4/ARDEX P 82
Waterproof, scrub- and wash- resistant matt dispersion paints	ARDEX P 4/ARDEX P 82
Latex paints	ARDEX P 4/ARDEX P 82
mineral rubbing plasters	No Primer Required
MG-2 lime-cement mortars	No Primer Required
MG-3 cement mortars	No Primer Required
MG-4 gypsum mortars	No Primer Required
Synthetic resin plasters	ARDEX P 4/ARDEX P 82

Application

Approximately 15 litres of water are required to mix 25 kg of ARDEX A 828. 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.

High temperatures shorten the working and setting times, while low temperatures extend.

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.

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 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.

Considerations

ARDEX A 828 Wall and surface filling compound should be applied at temperatures above +5°C. Low temperatures prolong the working time; high temperatures shorten it. The mortar must be protected against frost during setting. Antifreeze or any similar concrete admixtures must not be added to the mortar under any circumstances.

Direct exposure to wind and sunlight may adversely affect the product's performance; therefore, the product should be protected from these effects during application and drying.

By forming 45° chamfers on gypsum board joint edges, ARDEX A 828 can be used as a tape-free joint filler.

For sanding the surface of ARDEX A 828, we recommend abrasives with a grain size of 180-240 from MIRKA and FESTOOL.

In case of doubt, create test areas.

Warning

Dispose of the container and its contents in a sealed state in accordance with applicable local/regional/national/ international regulations.

GISCODE CP1= levelling compound based on calcium sulphate, non-hazardous

For further information, please refer to the relevant Safety Data Sheet (SDS).

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Technical Data According to ARDEX Quality Standards

Mixing ratio:	15 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
Drying time (+20°C):	1 hour for 1-2 mm approx. 6 hours for 10 mm
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
pH-Value	Approx. 8
GISCODE:	CP1 - Calciumsulphate based filling mortar, out of classification
EMICODE:	EC 1 ^{PLUS} - Very low emission
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.