



ARDEX B12

Concrete Finishing Compound

Internal and External-Resistant to Water and Weather

Fast Setting Concrete Rendering and Repairing Compound

Smoothing and Filling Cavities-Walls and Ceilings

Feather Edge to 5mm or 10mm Thickness with a
Sand/Aggregate Filler

Fine Smooth Finish over Concrete, Render, Brickwork,
Masonry Block, Aerated Concrete, Pre-Cast Concrete

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ARDEX B12

Concrete Finishing Compound

USE

Smoothing, repairing, levelling and coating walls and ceilings made of fair-faced concrete, pre-fabricated concrete elements, cement or lime plasterings and renderings and rough masonry.

Filling wall and ceiling cracks, holes and large-surface cavities.

Smoothing down interior wall surfaces made of aerated concrete.

Outdoors and Indoors.

DESCRIPTION

Grey cement-based powder.

When mixed with water the result is a supple, paste-like, stable mortar, which is easy to work and in every thickness hardens by hydration and drying to a virtually tension-free compound with a cement-grey colour that is capable of breathing, resistant to water and weather and adheres practically inseparably to suitably prepared substrates.

SUBSTRATE PREPARATION

The substrate can be dry or moist, but must be roughened, firm and free from dust, dirt and other release agents.

Coats of paint, plastering and rendering residue, lime spatter, etc., must be removed.

APPLICATION

Clear water is put into a clean mixing container and whilst stirring vigorously as much powder is mixed in to give a supple, paste-like, lump-free mortar.

Approximately 6.6 litres of water are needed to mix 20kg of ARDEX B12 powder.

The mortar is workable for about 45 minutes at +18 to +20°C and can be applied in one operation to 5mm without fillers or as thick as desired when filled. It hardens by hydration and drying under normal temperature in approximately 2 hours to such an extent that further operations such as grinding or subsequent smoothing with ARDEX B12 can be carried out.

For layers over 5mm maximum 10mm – ARDEX B12 mortar must have a filler or washed sand, grain size 0 – 4mm of up to 1/3 of the mortar volume; for layers over 10mm gravel of grain size 4 – 8mm must be used as a filler.

In order to achieve a colour match with surrounding concrete surfaces the cement-grey ARDEX B12 concrete finishing compound can be brightened with FASSIT 11 façade finishing compound (white) or dyed with cement-fast colour pigments. Any amount of FASSIT 11 powder can be mixed into the ARDEX B12 mortar. Colour pigments should first be mixed with water to form a paste then added as such to the ARDEX B12 mortar. The colour additive can be up to 5% by weight of the ARDEX B12 powder.

ARDEX B12 can be used to fill settlement cracks. Hairline settlement cracks or cracks in plastering and rendering must first be extended before filling with ARDEX B12 mortar. There is no guarantee that those cracks will not reappear in case of foundation movement.

If in doubt, it is advisable to carry out a test.

ARDEX B12 must be worked at temperatures above +10°C both outdoors and indoors.

SUBSEQUENT TREATMENT

After complete drying ARDEX B12 can be coated with lime-resistant paint. Drying time depends on layer thickness and the prevailing weather conditions. A substrate that is still moist may produce efflorescence.

Paint manufacturers' handling recommendations with regard to cement-bound substrates must be complied with – regardless of whether the filling is all over or only in places.

NOTE: Contains cement. Irritates the eyes and the skin. May not come into children's hands. Avoid any contact with the eyes and the skin. In case of eye contact wash thoroughly with water at once and consult a doctor. Wear suitable protective gloves.

Physiologically and ecologically safe when in a set state.

TECHNICAL DATA

According to ARDEX quality standards

Mixing ratio: approx 6.6 litre water: 20kg powder is equivalent to approx 1 vol. of water: 2¾ vol. of powder.

Bulk density: approx. 1.1 kg/litre

Mortar weight when freshly mixed: approx 1.7 kg/litre

Material requirement: Approx 1.2 kg powder per m² per mm

Working time (+20°C): approx. 45 minutes

Compressive Strength:
after 7 days approx. 8 N/mm²
after 28 days approx. 10 N/mm²

Tensile bending Strength:
after 7 days approx. 3 N/mm²
after 28 days approx. 5 N/mm²

pH-value approx. 12

Corrosion tendency: contains no ingredients with a corrosive influence on steel

GISCODE: ZP 1

Packaging: sacks with 20kg net.

Storage: can be stored for approximately
12 months in dry rooms in
originally sealed packaging.

NOTE: The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product application. Users are asked to check that the literature in their possession is the latest issue.

ARDEX products are manufactured in Australia.

ARDEX AUSTRALIA Pty Ltd.
– ABN 82 000 550 005



Materials are also manufactured in Austria,
Denmark, United Kingdom, France, Germany,
Singapore, Spain, USA and represented
throughout the world.

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