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# ARDEX A 30

## Slump free featheredge patching compound

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Rapid dry formula

Levelling and repairing of steps and landings

Can be applied to feather edge

Rapid hardening

Fast installation of flooring materials

Easy to smooth and float

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# ARDEX A 30

## Slump free featheredge patching compound

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### DESCRIPTION

ARDEX A30 is a slump free feather edge patching compound that is designed for internal filling of cavities, holes, unevenness and patching work in wall and floor areas. When mixed with water the result is a smooth slump free mortar with a pot life of approx. 15 minutes. ARDEX A30 dries fast through hydration to a virtually tension free compound.

### AREAS OF APPLICATION

Internal filling cavities, holes, unevenness, grooves, patching work in wall and floor areas. Levelling and repairing of stairs and landings. ARDEX A30 can be used for smoothing of floor surfaces, producing and smoothing ramps.

### SUBSTRATE PREPARATION

The substrate must be dry, firm, sound, free from dust and release agents. ARDEX A30 adheres to many types of substrates and is not sensitive to moisture. Very dense, smooth impervious surfaces like terrazzo, tiles etc, should be primed with ARDEX P82.

### MIXING

The ARDEX A 30 powder is added to the required amount of water in a clean mixing container and mixed thoroughly to obtain a lump-free and slump-resistant mortar.

The mix proportions are:

20kg ARDEX A30 powder to 5.5 to 6.5 litres of water

### APPLICATION

ARDEX A30 can be applied from 0 to 20mm in a single application. In smaller, well defined areas, such as holes, it can be applied to almost any depth.

ARDEX A 30 can be feather edged to match existing elevations.

For larger areas and thickness over 50mm, ARDEX A30 should be filled with coarser sand 0 – 4mm with the mixing ratio of 1.0 volume mortar and 0.3 volume of sand. With dense and primed substrates ARDEX A30 should be applied at minimum thickness of 1.5mm.

Power-trowelled (burnished) concrete and Hi-strength concrete greater than 35MPa, shall be mechanically prepared to CSP3 profile..

**Repairs:** Apply the mortar with a trowel to holes, cracks and damaged areas, ensuring that the mortar “wets” the surface by trowelling in firmly, leaving the repair proud. After about 15 minutes trim off excess and finish off with a wet trowel, sponge or sponge float to obtain a smooth surface. As soon as the repair has hardened, the surface of the floor, stair tread etc., can be levelled, if necessary with ARDEX sub-floor levelling cement.

**Smoothing and Refacing:** Apply the mixed mortar with a trowel to the required thickness taking into account the short working time. The material may be finished with a wet trowel after 15 – 20 minutes to provide a finish suitable for direct application of floor coverings.

ARDEX A 30 is workable for approx. 15 minutes at 23°C. Lower temperatures lengthen the working time, higher temperatures shorten it. ARDEX A 30 is particularly suited for restoring worn out and damaged steps and stairs. After approx. 15 minutes trim off excess mortar and finish off with a wet trowel, sponge or float to obtain a smooth surface.

After hardening of the compound subsequent floor levelling can be done with ARDEX K120, ARDEX K220, ARDEX K10 Reactiv8. Fast track installation by using ARDEX K55 is also possible.

### PRECAUTIONS

The ARDEX A 30 can be walked on after approx. 60 minutes at a temperatures of 23°C. Subsequent levelling work should be done immediately after the area is trafficable. Should the area be dry already, priming has to be done with ARDEX P 51 diluted 1:3 with water. The finished surface has to be protected against direct sunlight and during cure.

If in doubt install test areas first. Please observe the common rules of practice in AS1884 and AS2455. In exterior and permanently wet areas ARDEX A 30 cannot be used.

## TECHNICAL DATA

<b>Mixing ratio:</b>	Approx. 5.5 to 6.5 litres water 20kg powder is equivalent to approx.1 vol. of water : 2.5 vol. of powder
<b>Bulk density:</b>	Approx. 1.3kg/L
<b>Fresh mortar weight:</b>	Approx. 1.7kg/L
<b>Material requirement:</b>	Approx. 1.25kg of powder per m <sup>2</sup>
<b>Working time:</b>	Approx. 15 minutes
<b>Walkability:</b>	Approx. 60 minutes
<b>Ready to receive floorcoverings:</b>	Approx. 60 minutes
<b>Compressive strength:</b>	After 1 day approx. 21 MPa After 7 days approx. 29 MPa After 28 days approx. 35 MPa
<b>Tensile bending strength:</b>	After 1 day approx. 5 MPa After 7 days approx. 6 MPa After 28 days approx. 7 MPa
<b>Resistant to chair castors:</b>	Yes
<b>Suited for floor heating:</b>	Yes
<b>Packaging:</b>	Bags with 20kg net
<b>Storage:</b>	Can be stored for approx. 12 months in dry rooms in originally sealed packaging.

## HEALTH AND SAFETY

ARDEX A 30 contains Portland cement and Quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse affected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear, and rinse mouth with running water. If symptoms persist, seek medical advice. Safety Data Sheets are available on request.

**Note:** ARDEX products are generally warranted for 10 years when installed to the relevant Australian Standards and applicable ARDEX specifications, technical data sheet and instruction for application and use. While we assure customers the high standard and quality of our products and services, we accept no liability for any loss or damage which arises from particular site conditions, poor handling and storage, or installation by unqualified and unskilled applicators.

## GUARANTEE

ARDEX Australia Pty Ltd (“we” or “us”) guarantees this product (“our goods”) is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: [techinfo@ardexaustralia.com](mailto:techinfo@ardexaustralia.com)) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a “consumer” under the Australian Consumer Law and to that extent you need to be aware that: “Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss of damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure”.

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