ARDEX WR PRIME

Polymer Primer & Additive

Improves surface strength and adhesion of ARDEX cement-based renders

Ideal as a primer and additive for approved ARDEX cement-based construction products

Enhances bond strength, increases flexibility, and working time of cement-based construction products

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ARDEX WR PRIME

Polymer Primer & Additive

PRODUCT DESCRIPTION

ARDEX WR Prime is a performance enhancing primer and additive for ARDEX renders and other cement based construction products.

USES

When used as an additive for cement based renders, adhesives, and screeds, ARDEX WR Prime will significantly enhance bond strength and increase flexibility and working time. When used as a primer, it will improve adhesion to the following substrates:

- Blueboard
- Concrete walls
- Existing Render
- Fibre-cement Sheet
- Masonry (Brick & Blockwork)
- AAC – Autoclaved Aerated Concrete Blocks and Panels

For further substrate types please contact ARDEX Technical Services (technicalservices@ardexaustralia.com).

SURFACE PREPARATION

By way of mechanical methods and vacuum cleaning as necessary, remove all dirt, dust, curing compounds, oils, grease, surface sealers, and any other contaminants prior to installation. Prepare surface to leave sound, clean, dry, free from loose or other materials which may cause potential adhesion issues.

New concrete must be a minimum of 28 days old. New masonry and render must be a minimum of 7 days old.

PRIMER APPLICATION

ARDEX Render

Apply ARDEX WR Prime with a brush or roller and work evenly into the substrate. Allow the primer to dry to a clear, thin film prior to application of subsequent ARDEX products. For porous substrates (i.e. AAC Blocks and Panels), two coats may be required.

Recommended mixing ratios as a primer:

SUBSTRATE	DILUTION MIX RATIO (ARDEX WR Prime:water)
Rendering concrete walls	1:5
Rendering AAC Blocks and Panels	1:2

ARDEX Concrete Repair

The prepared substrate should be pre-soaked with clean water for 24 hours but at least 2 hours before applying ARDEX BR 340 or ARDEX BR 345. All excess or free standing water must be removed. The saturated surface dry substrate should then be primed by employing one of the following methods:

1. ARDEX WR Prime should be applied and thoroughly worked into the substrate before ARDEX BR 340 or ARDEX BR 345 application.
2. A slurry bond coat of mixed ARDEX BR 340 or ARDEX BR 345 and ARDEX WR Prime should be mixed to a brushable consistency then applied to the substrate.

ARDEX BR 340 or ARDEX BR 345 must be applied wet-on-wet for both methods. Do not let the bonding layer dry out completely. Apply the ARDEX BR 340 or ARDEX BR 345 as soon as the bonding bridge is tacky enough to hold the weight of the mortar. If the surface is too wet or too dry, the application of ARDEX BR 340 or ARDEX BR 345 may be difficult.

Certain environments (i.e. permanently damp substrate) may require an epoxy-based primer such as ARDEX EG 800 F.

ADDITIVE APPLICATION

The mixing ratio of ARDEX WR Prime is dependent on the application and the product. When used as an additive, replace the recommended amount of water with a mix of water and ARDEX WR Prime as per the mixing ratios stated. For example, when using ARDEX WR 100 on dense concrete, change the mix ratio of 3 litres of water to 0.5 litres of ARDEX WR Prime with 2.5 litres of water, then mix with ARDEX WR 100 as normal.

Recommended mixing ratios as an additive:

SUBSTRATE	DILUTION MIX RATIO (ARDEX WR Prime:water)
Rendering dense substrates	1:5
Rendering flexible substrates	1:5
Screeds	1:2
Slurry Coat	3 parts cement : 2 parts ARDEX WR Prime by volume

Please refer to mixing instructions of the product that the ARDEX WR Prime is added to. The screed or render mix must be applied whilst the slurry coat is still wet - ensure a wet-on-wet application occurs. Mix the cement slurry and spread the mix over the prepared surface with brush, roller, or small broom. Slurry coat thickness recommended is 1mm - 2mm.

DRYING

As a primer, allow to dry to a clear thin film prior to application of subsequent ARDEX products - excluding ARDEX Concrete Repair application.

COVERAGE

Approximately 6m^2/L (primer only).

PACKAGING

15L container

CLEAN UP

Clean all tools in water immediately after use.

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SHELF LIFE

12 months when stored in a dry place at 23°C and 50% relative humidity, in original unopened packaging.

LIMITATIONS

Do not empty excess ARDEX WR Prime back into the original packaging as this may cause contamination to the contents. Do not apply if the surface temperature or ambient temperature is below 10°C or above 35°C. Do not apply if rain is imminent.

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

SAFETY DATA

May cause an allergic skin reaction. Causes serious eye irritation. Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing mist/vapours/spray. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. For additional information and to ensure you have the most current technical and safety information please consult the latest safety data sheets (SDS) and technical data sheets found on the product page at www.ardexaustralia.com.

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, 2 Buda Way Kemps Creek NSW 2178; Toll Free: 1800 224 070; Email: technicalservices@ 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".

DISCLAIMER

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