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# ARDEX PU 30 Rapid

## Polyurethane Primer & Green Slab Sealer

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One component ready for use

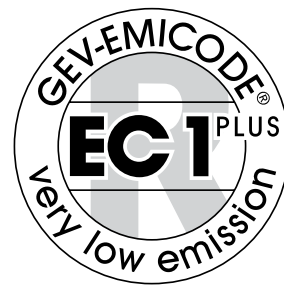
Priming of porous and non porous substrates

Suitable as a green slab sealer up to 98% RH

Penetrates the substrate to block capillary moisture

Priming of old and new substrates

Low VOC, water and solvent free



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# ARDEX PU 30 Rapid

## Polyurethane Primer & Green Slab Sealer

### DESCRIPTION

ARDEX PU 30 Rapid is a one-component polyurethane primer and green slab sealer for use on internal and external porous and non-porous substrates.

ARDEX PU 30 Rapid penetrates the surface of the substrate blocking capillary moisture up to 98% RH, while strengthening and consolidating the surface up to 2mm in depth.

### USE

Absorbent, smooth and dense surfaces such as concrete, green concrete, floor levelling compounds, fibre cement sheet, fibre cement sheet underlay, sheet timber, plaster, ceramic tiles and terrazzo floors.

As a green slab concrete sealer: A one coat application is required for concrete with less than 90% RH and a two coat application is required for concrete with up to 98% RH. For radiant or hydronic heated concrete with a RH up to 85%, two coats are required.

ARDEX PU 30 Rapid is suitable to prime and be used as a moisture suppressant for ARDEX polyurethane-based flooring adhesives, and when sand broadcasted is suitable under ARDEX levelling compounds.

### SUBSTRATE PREPARATION

The surface being primed must be clean, and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials. Mechanically prepare the surface and thoroughly vacuum prior to application in accordance to manufacturer's specifications.

### MIXING

ARDEX PU 30 Rapid is one-component and does not require mixing. For best results shake thoroughly.

### APPLICATION

**As a primer or a green concrete slab sealer with less than 90% RH:**

Apply ARDEX PU 30 Rapid evenly with a short nap roller or foam roller in a thin layer so as to avoid puddles. Apply to the surface at a rate of 100-150g/m<sup>2</sup>.

**As a primer or a green concrete slab sealer with RH up to 98%, or on radiant or hydronic heated concrete with RH up to 85%:**

Apply two thin coats of ARDEX PU 30 Rapid evenly with a short nap roller or foam roller in a thin layer so as to avoid puddles. Apply the first layer to the surface at a rate of 100-150g/m<sup>2</sup>. Do not exceed this as thick layers can cause problems with subsequent vinyl application.

Once the first layer is dry (to light foot traffic) apply a second layer of the product at 90° to the first coat at a rate of 100-150g/m<sup>2</sup>.

After the primer has dried, and within 72 hours, direct adhesion is suitable with ARDEX polyurethane-based flooring adhesives. If 72 hours has elapsed, sanding of the surface and a further coat is required.

### Under levelling cements:

If levelling over ARDEX PU 30 Rapid, prime with undiluted ARDEX P9 within 24 hours of applying final coat of ARDEX PU 30 Rapid, alternatively, apply a third layer of ARDEX PU 30 Rapid, and broadcast clean dry ARDEX Primer Sand on the surface at a rate of 700 grams per square metre to achieve 100% coverage. Allow to dry. Vacuum excess sand.

### DRYING TIME

Ensure ARDEX PU 30 Rapid is completely dry before the application of ARDEX flooring adhesives, ARDEX P9 or levelling compounds. At 23°C and 50% RH, allow each layer of ARDEX PU 30 Rapid a minimum of 45 minutes to dry. Allow a minimum of 2 hours for layers containing a sand broadcast.

Drying times are affected by the type of substrate, porosity and climatic conditions. At lower temperatures ARDEX PU 30 Rapid may take longer to dry.

### COVERAGE

When used as a primer - 1 coat, ARDEX PU 30 Rapid should be used at a consumption rate of 100-150g/m<sup>2</sup>, and 11kg should cover approximately 110m<sup>2</sup>.

When used as a moisture suppressant - 2 coats, ARDEX PU 30 Rapid should be used at a consumption rate of 250-350g/m<sup>2</sup>, and 11kg

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should cover approximately 44m<sup>2</sup>. The first coat must be completely cured before the second coat is applied. Allow a cure time of 2 hours at 23°C for the first coat if vinyl is to be directly applied. Coverage will vary depending on the porosity of the surface and method of application.

### PACKAGING

ARDEX PU 30 Rapid is packed in 11kg plastic containers.

### SHELF LIFE

ARDEX PU 30 Rapid has a shelf life of 12 months if stored in original unopened packaging in a dry place at 23°C and 50% relative humidity. Store away from direct sunlight. Replace lid tightly after use. Do not allow to freeze.

### Pay attention to the following:

Do not place excess ARDEX PU 30 Rapid back into the original packaging as this may cause contamination of the contents.

Do not use ARDEX PU 30 Rapid at temperatures below 15°C. In these conditions it is required that both the product and the surface are acclimatised appropriately.

ARDEX PU 30 Rapid may only be used to suppress capillary moisture. This product is not a waterproofing membrane or a moisture barrier and is not suitable for substrates subject to rising damp.

For situations with negative hydrostatic pressure ARDEX offer other solutions, please contact ARDEX Technical Services for advice.

### SAFETY DATA

This product is harmful if inhaled and may cause irritation and an allergic reaction to the skin. It causes serious eye irritation and may cause allergy or asthma symptoms or breathing difficulties if inhaled. It is suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of contact with the eyes rinse with running water until advised to stop by the

Poisons Information Centre or a doctor, or for at least 15 minutes. Store locked up.

Check with your local Council regarding the disposal of contents and packaging. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at [www.ardexaustralia.com](http://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, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: [technicalservices@ardexaustralia.com](mailto: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

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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This data sheet was issued in January 2020 and is valid for 3 years, in some instances a newer version may be published. Always refer to