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# ARDEX PU30 Rapid

## Polyurethane Primer & Green Slab Sealer

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One component ready for use

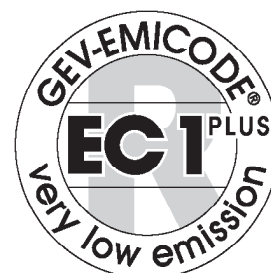
Priming of porous and non porous substrates

Suitable as a green slab sealer up to 98% RH

Penetrates the substrate to block capillary humidity

Priming of old and new substrates

Low VOC, water and solvent free



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**ARDEX Australia Pty Ltd**  
20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
Fax: 1300 780 102  
Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
[www.ardexaustralia.com](http://www.ardexaustralia.com)

**ARDEX New Zealand Ltd**  
15 Alfred Street  
Onehunga, Auckland 1061  
Phone: 0800 227 339  
Fax: (03) 384 9779  
Email: [info@ardexnz.com](mailto:info@ardexnz.com)  
[www.ardex.co.nz](http://www.ardex.co.nz)

# 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 and smoothing cements, 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.

ARDEX PU 30 Rapid is suitable to prime and be a vapour barrier for ARDEX polyurethane-based flooring adhesives, and when sand broadcasted is suitable under all ARDEX levelling and smoothing compounds.

### SUBSTRATE PREPARATION

The surface being primed to 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%:

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 to the surface at a rate of 100-150g/m<sup>2</sup>.

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

After the primer has dried, but before 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 smoothing and levelling cements:

If levelling over ARDEX PU 30 Rapid, after the final layer prime with 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 700grams 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 and smoothing compounds. At 23°C and 50% RH, allow each layer of ARDEX PU 30 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 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 vapour barrier - 2 coats, ARDEX PU 30 Rapid should be used at a consumption rate of 250-350g/m<sup>2</sup>, and an 11kg should cover approximately 44m<sup>2</sup>.

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.

### STORAGE

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% RH. Store away from direct sunlight.

Replace lid tightly after use. Do not allow to freeze.

### Pay attention to the following:

Do not replace excess ARDEX PU 30 Rapid back to 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 humidity. This is not a waterproofing membrane or a moisture barrier and is not suitable for substrates subject to rising damp, timber or fibre cement sheet underlay.

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

In case of ingestion seek medical assistance. Consult the relevant Safety Data Sheets for further information.

For the latest technical or health and safety information on this product, consult the current product or safety data sheet online at: [www.ardexaustralia.com](http://www.ardexaustralia.com)

### ARDEX Australia Pty Ltd

20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
Fax: 1300 780 102  
Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
[www.ardexaustralia.com](http://www.ardexaustralia.com)

### ARDEX New Zealand Ltd

15 Alfred Street  
Onehunga, Auckland 1061  
Phone: 0800 227 339  
Fax: (03) 384 9779  
Email: [info@ardexnz.com](mailto:info@ardexnz.com)  
[www.ardex.co.nz](http://www.ardex.co.nz)

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