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# ARDEX PU 30

## Polyurethane Primer and Green Slab Sealer

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One-component primer and green slab sealer for absorbent and non-absorbent substrates

Suitable as a green slab seal up to 98% RH

Penetrates the substrate to block capillary humidity

Strengthens and consolidates weak surfaces

Suitable for use with ARDEX MS-based adhesives

Suitable for levelling compounds when broadcast with quartz sand

Suitable for use with underfloor heating

Solvent free



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# ARDEX PU 30

## Polyurethane Primer and Green Slab Sealer

### DESCRIPTION

ARDEX PU 30 is a one-component polyurethane primer and green slab sealer for use on internal and external porous and non-porous substrates. ARDEX PU 30 penetrates the surface of the substrate blocking capillary moisture up to 95% RH, while strengthening and consolidating the surface up to 2mm in depth.

### USE

ARDEX PU 30 is suitable to prime and be a green slab sealer for ARDEX MS-based flooring adhesives, and when sand broadcast is suitable under all ARDEX levelling and smoothing compounds.

ARDEX PU 30 is suitable for use over substrates such as concrete, green concrete, floor levelling compounds and smoothing cements, fibre-cement sheet, sheet timber, plaster, ceramic tiles and terrazzo floors.

### 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 is one-component and does not require mixing. For best results shake ARDEX PU 30 thoroughly at least 10 minutes before application.

### APPLICATION

Apply ARDEX PU 30 evenly with a short nap roller or foam roller in thin layers so as to avoid puddles.

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

Apply ARDEX PU 30 to the surface at a rate of 100-150g/m<sup>2</sup>. Allow this layer to dry for 45 minutes.

**As a primer or a green slab sealer with up to 98% RH**

Apply a second layer of ARDEX PU 30 in a crosswise pattern at a rate of 100-150g/m<sup>2</sup> and allow to dry for another 45 minutes.

After the primer has dried, but before 72 hours, direct adhesion is suitable with ARDEX MS-based flooring adhesives. If 72 hours has elapsed, a further coat is required.

If levelling over ARDEX PU 30, prime with ARDEX P 9 within 24 hours of applying the final coat. Alternatively, apply a third layer of ARDEX PU 30, and broadcast clean, dry quartz sand on the surface at a rate of 700g/m<sup>2</sup> to achieve 100% coverage. Allow to dry for 2 hours before vacuuming surplus sand away.

### DRYING TIME

Ensure ARDEX PU 30 is completely dry before the application of ARDEX flooring adhesives, or levelling and smoothing compounds. At 20°C and 65% 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, and higher humidity, ARDEX PU 30 may take longer to dry.

### COVERAGE

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

When used as a vapour barrier, ARDEX PU 30 should be used at a consumption rate of 250-350g/m<sup>2</sup>, and should cover approximately up to 44m<sup>2</sup>.

Coverage will vary depending on the porosity of the surface and method of application.

### PACKAGING

ARDEX PU 30 is packed in 11kg plastic containers.

### STORAGE

ARDEX PU 30 has a shelf life of 12 months if stored in good conditions, between 5°C and 30°C in the original unopened container. Replace lid tightly after use. Do not allow to freeze.

### PRECAUTIONS

Do not replace excess ARDEX PU 30 back to the original packaging as this may cause contamination of the contents.

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

ARDEX PU 30 may only be used to suppress capillary humidity. It is neither a waterproofing membrane nor moisture barrier, and is not suitable for substrates subject to rising damp. For situations with negative hydrostatic pressure contact ARDEX for advice.

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

**Toll Free Technical Services:**  
**1800 224 070 (Australia)**  
**0800 227 339 (New Zealand)**

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