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# ARDEX P 51

## Primer and Bonding Concentrate

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Floor, wall and ceiling

Safe primer with a wide application range

Primer, bonding agent and water-inhibiting pore closer

Prevents air bubbles rising from the sub-floor when finishing

Solvent-free

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# ARDEX P 51

## Primer and Bonding Concentrate

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### DESCRIPTION

ARDEX P 51 is an engineered priming system for use with ARDEX floor levelling cements. It is a solvent-free, blue synthetic resin dispersion, which after drying to a clear film inhibits water penetration.

### USE

Water-inhibiting primer, precoat, bonding agent and pore closer.

Priming concrete to take finishing, repairing and levelling compounds.

As a pore closer on concrete and cement screeds

- It prevents air bubbles rising from the substrate in subsequent finishing layers.
- It prevents any mixing water being drained in subsequent finishing layers.

Bonding agent on smooth concrete for gypsum-bound wall finishing compounds.

Protective coat against dust formation on finishing and repairing compounds, which are to serve as wearing surfaces for a short time.

Internal applications only.

### DIRECTIONS FOR USE

This product is used diluted with water, to prepare internal surfaces to receive cement-based levelling compounds, adhesives, screeds as well as plaster-based materials, improving adhesion and inhibiting penetration of water. It is used as a pore sealer on floor surfaces to prevent air bubbles rising through subsequently applied subfloor smoothing and levelling compounds.

### SUBSTRATE

The substrate must be dry, porous, firm and free from dust and release agents.

### APPLICATION

Apply diluted ARDEX P 51 (refer to table) evenly with a soft broom. DO NOT use paint rollers, mops or spray equipment. DO NOT leave any bare spots. Brush off puddles and excess primer. Allow to dry to a clear, thin film (minimum 3 hours, maximum 24 hours). DO NOT install ARDEX floor levelling cements before primer has dried thoroughly. Primer can be applied the day before. Use clean container.

Dilute 1:2 with water as a pore closer for porous concrete sub-floors and ceilings.

Dilute 1:3 with water as a primer and bonding agent on absorbent substrate.

### MATERIAL REQUIREMENT

Approximately 100mL in concentrated form at 1:2 with water give 300mL of diluted ARDEX P 51 per m<sup>2</sup> as a pore closer on porous concrete and cement screed flooring.

Approximately 50mL in concentrated form at 1:3 with water gives 200mL of diluted ARDEX P 51 per m<sup>2</sup> as a primer and bonding agent and to bind dust.

Substrate pre-treatment for subsequent finishing, repair and levelling work with products from the ARDEX range can be seen in the table below on the application of primers.

**NOTE:** ARDEX P 82 is a synthetic resin primer, which consists of two components and has the effect of a neoprene primer.

**Packaging:** Plastic container with 5L and 20L.

**Storage:** Can be stored for approximately 12 months in originally sealed packaging in a place free from frost.

SUBSTRATE	PRIMER	DILUTION ARDEX P 51: WATER
Smooth and dense substrates such as pre-fabricated concrete floors or particularly compacted cement screeds and wooden particle boards when using finishing and repairing compounds	ARDEX P 82	—
Smooth and dense substrates such as improved anhydrite screed flooring, terrazzo, sandstone, tiles and board coverings when using ARDEX K 15 smoothing and levelling* compound for other repairing compounds	ARDEX P 82	—
	ARDEX P 82	—
Porous concrete and sand/cement sub-floors and ceilings	ARDEX P 51	1:2
Very porous concrete sand/cement screed, highly sucking, anhydrite screeds and flowing anhydrite screeds, absorbent or ground beneath or between finishing and repairing compounds	ARDEX P 51 May require 2nd coat	1:3
	ARDEX P 51	1:1
Smooth concrete walls and ceilings for gypsum-bound finishing compounds	ARDEX P 51	1:3
Gypsum wallboards and gypsum plastering for wall finishing compounds and cement-based thin bed mortar	ARDEX P 82	1:3
Wooden particle board panels when setting tiles with ARDEX S 16 quick-setting building adhesive improved with ARDEX 90	ARDEX P 82	—
Mastic asphalt, asphalt slab coverings, synthetic coatings, synthetic flooring, metal, wood, varnished, beneath thin bed mortars and repairing compounds	ARDEX P 82	—

**NOTE:** The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product application. Users are asked to check that the literature in their possession is the latest issue.

## COVERAGE

One litre of ARDEX P 51 diluted with two litres of water will cover 8-10m<sup>2</sup> depending upon the absorbency of the subfloor.

## SAFETY PRECAUTIONS

Wash off skin before drying takes place. Splashes in eyes, mouth or nose should be washed and thoroughly removed with clean fresh water immediately. Safety glasses recommended during use.

## 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”.

## DISCLAIMER

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