



CI/SfB

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PRODUCT DATA SHEET

# ARDEX P 82

## Water Based Epoxy Primer and Bonding Agent

### Features

- Designed for priming smooth and impervious surfaces such as terrazzo, glazed ceramics, quarry tiles, metal, sound paint coatings, porcelain tiles and even flooring grade asphalt
- Ideal for priming ARDEX Damp Proof Membranes
- For dry and intermittently damp internal locations
- Up to 60m<sup>2</sup> coverage from a 6kg unit



ARDEX P 82 tested in accordance with IMO FTP Code procedures is in compliance with the Merchant Shipping (Marine Equipment) regulations 2016, S.I 2016/1025, and the Marine Equipment Directive 2014/90/EU, and approved for use as an adhesive/bonding agent on floors/walls. USCG Approval No(s): 164.112/1121/WCL MER 0323, 164.112/2812/ERO MED 0323. See side of bag for date of manufacture/batch no.



Reg No. FM 01207

EMS 565427

OHS 628374

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# ARDEX P 82

## Water Based Epoxy Primer and Bonding Agent

### DESCRIPTION

ARDEX P 82 is a two-component water based epoxy synthetic dispersion primer and bonding bridge. It is non-flammable and non-corrosive.

### USE

ARDEX P 82 forms a priming/bonding layer on most known substrates, especially smooth or dense surfaces. For interior use only and in dry or intermittently damp locations. Use on floors which are dry and have an effective ARDEX damp proof membrane, such as ARDEX DPM 1 C and ARDEX DPM 1 CR. ARDEX P 82 can be used as a primer and bonding bridge prior to the application of the ARDEX range of cement-based tiling and flooring products.

### SURFACE PREPARATION

Surfaces must be firm, sound and free from dust, dirt, water soluble materials, excess adhesive residues and other barriers to adhesion. Polish, wax, grease etc., should be removed using ARDEX DGR Degreaser prior to suitable preparation using mechanised equipment.

Where ARDEX P 82 Primer will be used in conjunction with moisture sensitive floorings, the substrate must be dry i.e. have a Relative Humidity of no greater than 75% and where appropriate be protected by a functioning damp proof membrane, such as ARDEX DPM 1 C or ARDEX DPM 1 CR.

Use ARDEX P 82 on terrazzo, glazed ceramics, quarry tiles and porcelain. Ensure all surfaces to be primed are clean and free from surface curing agents, sealants, wax, grease or other barriers to adhesion. ARDEX P 82 can also be used to prime hard and prepared flooring grade asphalt, rigid metal, hard and sound paint coatings, ARDEX DPMs as well as traces of sound adhesive residues on dense impervious services. Contact our ARDEX Technical Support Team at Haverhill for further specific information. ARDEX P 82 is also suitable for priming wood and wood-based panels prior to fixing ceramic tiles and floors using the appropriate ARDEX cement based adhesive.

### MIXING

ARDEX P 82 consists of two liquid components – one red, one white – these must be mixed in the ratio 1:1 by weight or volume to produce an even coloured pink liquid. The two components are an epoxy resin and an epoxy hardener. These are supplied in the exact proportions so the entirety of each component must

be fully mixed together. Pour the required amount of Part A (red) into a suitably sized clean container and add an equal volume of Part B (white) and mix together with a slow speed electric drill and a suitable mixing paddle until a uniform pink colour is achieved.

Some of the mixed materials should be reintroduced back into both containers in order to activate any residue and then poured back into the mixing vessel and re-mixed. Mixing in this way will ensure product consistency and that any resin remaining in the containers after application will cure to make disposal easier, in accordance with local environmental regulations.

It is recommended that a mixing paddle is used for efficient mixing and that the bottom corners of the buckets are checked with a trowel for any unmixed material before application. The mixed primer has a working time of not more than 1 hour, **AFTER WHICH TIME ANY UNUSED MIXED PRIMER MUST BE DISCARDED SAFELY.**

### APPLICATION

Surfaces should be suitably prepared and clean prior to the application of the mixed primer.

ARDEX P 82 primer must be applied in a THIN even coat using a foam or short pile paint roller or paint brush, taking care to prevent the formation of puddles. Allow the applied ARDEX P 82 to become dry to a clear, tacky film - usually 3 to 6 hours, depending on substrate temperature and ventilation. If in doubt leave overnight. Once dried, the primed surface is ready for overlaying, however if left for more than 4 days or the film has lost its tackiness, a repeat application of the ARDEX P 82 primer will be necessary.

**NOTE:** Suitable protective equipment should be worn such as goggles and gloves during mixing and application, see precautions section below.

The thickness of smoothing compound applied to ARDEX P 82 should be restricted to 6mm in depth.

### PACKAGING

6kg unit consisting of 3kg of each component in plastic containers, or a 2kg unit consisting of 1kg plastic containers of each component. Store in a cool dry place. Protect from frost.

### COVERAGE

5 to 10m<sup>2</sup> per kg of mixed primer, depending on the surface to be primed and the method of application, i.e. 10 to

20m<sup>2</sup> per 2kg unit and 30 to 60m<sup>2</sup> per 6kg unit. Do not exceed the maximum coverage of 20m<sup>2</sup> per 2kg unit and 60m<sup>2</sup> per 6kg unit i.e. 10m<sup>2</sup> per kg of mixed material, as the primer must have sufficient thickness to ensure a continuous even film is formed across the entire primed surface. It is recommended that the floor areas are measured out into 60m<sup>2</sup> areas and the 6kg units of ARDEX P 82 are evenly spread over this floor area to help ensure that the coverage does not exceed 10m<sup>2</sup> per kg of mixed product.

### CLEANING

Mixing and application tools should be cleaned with water immediately after use before the primer dries. Remove any splashes from skin before drying takes place, with warm soapy water. Avoid prolonged contact with the skin.

### STORAGE AND SHELF LIFE

ARDEX P 82 has a storage life of not less than 12 months in the original unopened containers.

### PRECAUTIONS

Contains epoxide resin and Isophorone Diamine. Irritating to eyes and skin. May cause sensitisation by skin contact. Avoid contact with the eyes. Wear suitable gloves and eye/face protection. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. After contact with the skin, wash off immediately with plenty of soap and water, then apply moisturising cream. Keep out of the reach of children.

For the latest health and safety information on this product, consult the current safety data sheet. For the latest health and safety information on this product consult the current Health and Safety Data Sheet. This information is available from the website: [www.ardex.co.uk](http://www.ardex.co.uk) or by contacting the office in Haverhill.

Typical drying time (20°C): 4 hours  
Suitable for underfloor heating: YES

**NOTE:** The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

**TECHNICAL ADVICE HELPLINE**  
**01440 714939**  
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**[www.ardex.co.uk](http://www.ardex.co.uk)**