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# ARDEX R 2 E

**General Purpose Solvent-Free Epoxy Primer**  
(Formerly known as ARDEX R 2 SE)

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Easy to apply

For internal or external use

Seals substrates and acts as an adhesive bridge

For use with polyurethane, epoxy and cement-based system

Green Label certified



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# ARDEX R 2 E

## General Purpose Solvent-Free Epoxy Primer (Formerly known as ARDEX R 2 SE)

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### DESCRIPTION

ARDEX R 2 E is a two-component solvent-free epoxy resin for use with ARDEX polyurethane screeds and self-smoothing epoxy floor coatings. Blend with fine aggregate and use as a primer prior to applying thick applications of the ARDEX Industrial Floor System, or other appropriate ARDEX cement-based products.

Where surfaces are very porous, more than one coat of primer may be required to achieve the desired bonding efficiency.

For applications on new concrete or where the relative humidity (RH) of the substrate is in excess of 75%, ARDEX DPM should be used. If the substrate is particularly smooth, the surface of the ARDEX R 2 E should be seeded with ARDEX Fine Aggregate immediately after application to give a mechanical key to facilitate installation of resin screeds and toppings.

### SUBSTRATE PREPARATION

The concrete or screed substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc. that will inhibit adhesion to the substrate.

Use a degreaser to remove polish wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying ARDEX R 2 E.

### PRIMING

Highly porous substrates may be revealed after preparation and will be evident by their rapid absorption. In these cases a priming coat of ARDEX R 2 E is advisable before applying of any ARDEX polyurethane, epoxy and cement-based system.

Over-watered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

Note: Any joints or cracks in the concrete base where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface and suitably sealed. New concrete slabs must be allowed to cure for at least 28 days.

### MIXING

The individual components of ARDEX R 2 E should be thoroughly stirred before being mixed together. The entire contents of the hardener container (component B) should be poured into the resin container (component A) and the two materials mixed thoroughly for at least 3 minutes using a heavy duty slow speed drill and spiral paddle.

Some of the mixed components should be reintroduced back into the hardener container in order to activate any residue and then poured back into the larger mixing vessel and re-mixed for 30 seconds. Mixing in this way ensures product consistency and that any resin that remains in the containers after application will cure to provide for easier waste disposal.

### APPLICATION

Once mixed, the material should be spread over the floor as self-heating in the container will reduce working time. Apply using brush or short/medium pile roller. One or more coats is achieved and to compensate for differences in surface porosity.

All movement joints in the subfloor must be carried through the topping and properly sealed. Construction joints and cracks not subject to movement may be overlaid but should the floor move in any way, these defects will reflect through the system. Isolation joints will need to be allowed for in areas where high thermal movement is anticipated, e.g. around ovens and freezers.

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### PHYSICAL PROPERTIES

Pot life	approx. 20 - 30 min
Gel Time	approx. 60 - 70 min
Walkability	5 - 6 hours at 25°C
Curing time before installation	16 hours at 25°C
Adhesion Strength	> 5 MPa

### COVERAGE

Approx. 40m<sup>2</sup> per 10kg or 4m<sup>2</sup> per 1 kg. Actual coverage depends on substrate conditions.

### PACKAGING

ARDEX R 2 E is available in 10 kg set. The resin (component A) is in 6.7kg container and the hardener (component B) is in 3.3kg container.

### STORAGE

Store in dry conditions, ARDEX R 2 E has a storage life of not less than 12 months in the original unopened containers.

### SAFETY PRECAUTIONS

In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straight away, do not induce vomiting. For further information, please refer to the relevant health and safety data sheet (MSDS) at [www.ardex.com.sg](http://www.ardex.com.sg)

### DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended.

As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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