



ARDEX BRP 30 EP

Solvent-free Structural Epoxy Bonding Agent

Specifically designed to be used with ARDEX Concrete Repair Mortars

Excellent adhesion to many building materials even when damp

Can be applied to damp concrete

Solvent-free and low odour

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ARDEX BRP 30 EP

Solvent-free Structural Epoxy Bonding Agent

DESCRIPTION

ARDEX BRP 30 EP is a two-component, solvent-free, high-strength, structural epoxy bonding agent specially formulated for bonding concrete and cementitious materials to existing concrete.

FEATURES/ BENEFITS

- Has excellent adhesion to many building materials even when damp
- Can be applied to damp concrete
- Solvent-free and low odour

TYPICAL USES

- Bonding bridge for ARDEX BR Repair Mortars
- Specially designed for situations where the substrate is likely to remain damp or wet
- For repairs on bridges, roads, wharves, loading docks, warehouses and factories.

SURFACE PREPARATION

The substrate must be clean, sound and free from all grease, oil, dust and other surface contaminants such as curing compounds. Damaged or contaminated concrete must be removed to obtain a good bond to the substrate. All surface laitance must be removed.

Mould release agents or curing compounds which are not suitable for subsequent finishes must also be removed from substrate surfaces by using a wire brush, scabber or other mechanical means.

Exposed reinforcing steel must be cleaned and protected with ARDEX BR 10 ZP Zinc-rich Primer in a continuous film.

MIXING

Mix Part A (Resin) and Part B (Hardener) with a ratio of 4 : 1 by weight or 2.5 : 1 by volume by adding Part B into the container of Part A. If not the entire kit is used, transfer the measured amount of resin (Part A) to a suitable sized mixing container and add the hardener (Part B). Mix the two components using a low speed mechanical stirrer (e.g. electric drill) until a uniform mixture is obtained. Maintain mixing paddle head below surface of liquid to reduce entrapped air.

Smaller quantities can be mixed by hand. To ensure accurate mixing, it is recommended to use the entire kit.

APPLICATION

Apply ARDEX BRP 30 EP to the prepared substrate by brush or roller. The new concrete or repair material shall be applied to the wet ARDEX BRP 30 EP bonding agent while it is still tacky.

CLEAN UP

Clean all tools in water immediately after use

Pay attention to the following:

Do not apply if the ambient/substrate temperature will fall below 10°C or rise above 35°C during the initial cure.

SET TIMES

Pot Life: 30 - 60 minutes @ 23°C and 50% RH
Max Overlay Time: 3h @ 15°C and 50% RH
2h @ 25°C and 50% RH
1h @ 35°C and 50% RH

The new concrete or repair material shall be applied to the wet ARDEX BRP 30 EP bonding agent while it is still tacky.

PACKAGING

ARDEX BRP 30 EP is a two-part 1.75L kit.

Part A: 1.25L (2kg)

Part B: 0.5L (0.5kg)

COVERAGE

Approximately 5 - 9m² per 1.75L kit. The coverage may vary due to surface porosity, absorption of the substrate and wastage factors.

SHELF LIFE

ARDEX BRP 30 EP has a shelf life of 24 months when stored in the original, unopened packaging in a dry place at 23°C and 50% relative humidity.

SAFETY DATA

Harmful when in contact with skin and if inhaled or swallowed. Causes eye and skin irritation and may cause serious eye damage. May cause drowsiness or dizziness. May cause respiratory irritation. Suspected of causing cancer. Do not release into the environment, very toxic to aquatic life with long lasting effects. May be corrosive to metals. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell or if swallowed. Do not induce vomiting. Check with your local Council regarding the disposal of contents and packaging. Keep out of the reach of children. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

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: technicalservices@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".

TECHNICAL DATA

Colour	Light Grey	
Specific Gravity		
Resin	1.61	
Hardener	1.01	
Mixture	1.50	
Pot Life	30 - 60 minutes @ 23°C and 50% RH	
Full Cure	7d @ 23°C	
Coverage	5 - 9m ² / 1.75L kit or 3 - 5m ² /L	
Max Overlay Times	3h @ 15°C and 50% RH 2h @ 25°C and 50% RH 1h @ 35°C and 50% RH	
The new concrete or repair material shall be applied to the wet ARDEX BRP 30 EP bonding agent while it is still tacky.		
Application Temperature	Between 10°C and 35°C	
Compressive Strength	≥ 50MPa	
Adhesive bond to Concrete	in general > concrete	
Mixing Ratio	by weight 4:1	by volume 2.5:1
Part A	2kg	1.25L
Part B	0.5kg	0.50L

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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