



ARDEX WPM 256

(HydrEpoxy 256 Bonding Bridge)

Water based epoxy bonding bridge

Penetrating structural sealer

Forms a structural bond between new and old concrete

Can be applied to damp surfaces

Is compatible with fresh cement or concrete products

Excellent adhesion to most substrates

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ARDEX WPM 256

(HydrEpoxy 256 Bonding Bridge)

Water Based Epoxy Bonding Bridge

PRODUCT DESCRIPTION

ARDEX WPM 256 (HydrEpoxy 256) is a two component water based epoxy polyamide unpigmented new to old concrete bonding bridge, admixture for cement based materials and structural penetrating sealer.

- Non-flammable and negligible odour.
- Convenient equal part-mixing ratio.
- Surface tolerant.
- Water thinned and clean up.

FEATURES/BENEFITS

A relatively high solids product specifically designed as a high strength bonding bridge for bonding new render or concrete to aged concrete substrates. ARDEX WPM 256 is also used as an epoxy admixture for cementitious products used for concrete repair. When thinned 50% with water it forms a structural penetrating sealer.

- Forms a structural bond between new and old concrete.
- Can be applied to damp surfaces.
- Is compatible with fresh cement or concrete products.
- Has excellent adhesion to most substrates including brick, masonry, concrete block, concrete, compressed fibreboard, stone and timber.

TYPICAL APPLICATIONS

- As a new to old concrete bonding bridge to substantially improve the bonding characteristics.
- As an admixture to cement to produce variable strength repair mortars and waterproofing grouting material.
- As a concrete curing membrane to contain the water and as an aid to the curing of and sealing of concrete.

LIMITATIONS

The product should be applied whilst the surface temperature is between 10–35°C. Curing time will also be adversely affected in situations where relative humidity is >85%.

Good ventilation should be provided during curing cycle.

Will yellow when exposed to ultra violet light for extended periods.

The cured coating will form a glazed chemically resistant surface finish which must be well sanded to produce a course surface profile prior to adhering any product to the cured film. When used as a penetrative sealer the surface may darken slightly with age.

BASIC APPLICATION INSTRUCTIONS

Surface preparation

All surfaces to be treated must be structurally sound, all previous coatings should be removed and the surface cleaned free from contaminants.

Installation

Each component should be individually mixed to form homogeneous components. Thoroughly mix the two components in the ratio of 1:1 by volume, preferably using a power stirrer, until a homogeneous mix is obtained. Only mix as much as may be used within the pot life of the product and avoid excessive aeration during mixing.

Application as a new to old concrete bonding bridge

Apply one coat by brush, roller or spray to a section of the area to be treated at a coverage rate of 7 square metres per litre.

Only apply the Bonding Bridge to an area to which the new render or concrete can be placed while the bonding bridge remains wet or tacky.

Immediately following application of the ARDEX WPM 256, place the new render or concrete and finish as required.

Repeat the process until the full area to be treated is complete.

Application as a concrete repair mortar

After mixing the ARDEX WPM 256, mix with an equal volume of cement and add a fine particle grade river washed sand to achieve the desired working consistency (normally 2–3 times the volume of cement added).

During trowel finishing of the concrete repair mortar, use a wet trowel to avoid drag-up and to obtain a smooth finish.

Application as a concrete curing membrane

Apply one coat by brush, roller or spray at a coverage rate of 3 square metres per litre.

Note that surfaces must be sanded in the event of application of coatings or adhesives after the film has cured. Thinning is only for use as a sealer.

SAFETY PRECAUTIONS

ARDEX WPM 256 Part A and Part B are hazardous goods and may cause sensitization by skin contact. They are harmful by inhalation, in contact with skin and if swallowed. They are irritating to eyes and skin. Keep containers tightly closed and in a well ventilated place. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. It is recommended that protective gloves be used during application.

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET.

CLEAN UP AND DISPOSAL

Wastes resulting from use of the product must be disposed of on site or at approved waste sites. Do not discharge into sewer or waterways.

Wash all equipment in water or water/detergent immediately on completion of work since ARDEX WPM 256 will cure underwater if equipment is left.

TECHNICAL PERFORMANCE DATA

	Bonding bridge	Repair mortar	Curing membrane
No. of coats	1	n/a	1
Coverage (m ² /L)	7	n/a	3
(m ² /L of 6mm topping)	n/a	0.6	n/a
Pot life (hrs @ 25°C)	1	–	1
Cure time (@ 25°C)			
Hard dry (hrs)	24	24	24
Full cure (days)	7	7	7
Bond strength (MPa)	5	n/a	5

NOTE: The concrete repair mortar must be installed over the New to Old Concrete Bonding Bridge.

VOC content 18g/L

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 Standard, our instructions and recommendations and 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 effect 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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