



ARDEX WPM 256

Water Based Epoxy Bonding Bridge

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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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Water Based Epoxy Bonding Bridge

DESCRIPTION

ARDEX WPM 256 is a two component water based epoxy polyamide unpigmented new to old concrete bonding bridge and admixture for cement based materials.

- Non-flammable and negligible odor.
- 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.

- 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 fiber board, stone and timber

AREA OF 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. The product will cease to cure below 10 °C, but will recommence curing when the temperature rises above 10°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.

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 meters per liter.

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 meters per liter.

Note that surfaces must be sanded in the event of application of coatings or adhesives after the film has cured.

SAFETY DATA

UN Number: N/A - non-flammable and non explosive.

Inhalation: Non toxic, irritating or flammable vapor.

ARDEX WPM 256 may cause a mild dermatitis skin reaction with some people after prolonged contact. It is recommended that protective gloves be used during application.

CLEAN UP & DISPOSAL

Thinning is not recommended when using this product for the applications described.

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 /ltr)	7	n/a	3
(m ² /ltr 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.

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. Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations.