



# WPM 200

## Water based epoxy sealer

### DESCRIPTION

WPM 200 is a two component water based epoxy polyamide unpigmented sealer, binder used for sealing surfaces and providing a strong bond to difficult surfaces.

### USES

- As a penetrating sealer to achieve bonding to high strength concrete or other fine textured surfaces.
- As a consolidation sealer for weak aged concrete prior to over coating with other covering or coating systems.
- As a bonding coating for surfaces where there is a risk of grease or oil in the surface.
- As a consolidation sealer for rain affected concrete to form a film substrate.
- As a waterproofing sealer for concrete, masonry, brickwork, fibre cement, plywood and particleboard in wet areas.
- As an industrial dust suppressant and sealer for warehouse and factory floors where colour is not critical.

### FEATURES

- Can be applied to wet or damp surfaces free from running or ponding water
- Can be safely applied to freshly laid hardened (green) concrete
- Consolidates weak or rain affected concrete surfaces to form a firm substrate for subsequent treatments.
- Has good penetration, even into fine grained substrates such as high strength concrete.
- Tolerant to improperly prepared surfaces
- Seals and binds dusty or loosely bound surfaces
- Has excellent adhesion to most substrates including brick, masonry, concrete block, concrete, compressed fibreboard, stone and timber
- Non-flammable & negligible odour
- Convenient equal-part mixing ratio
- Safe to use in sensitive locations (e.g. around food or habitable areas).

### PHYSICAL PROPERTIES

WPM 200	@ 27 ± 1°C
Colour	Light honey coloured transparent
Finish	Clear gloss, which darkens and goes to matt on aging
Volume solids	22 + 2%
Mixing ratio	1:1 (Part A / Part B) by volume
Pot life	4 hours @ 25°C
No. of coats	1 - 2 depending on purpose of application

### Drying Times

Recoat time	90 minutes @ 25°C & 50% R.H.
Full cure	7 days @ 25°C & 50% R.H.

### COVERAGE ESTIMATES

Pack Size	Coverage
20 litres	Approx. 8 - 14m <sup>2</sup> /coat/ltr
Part A 10 litres	
Part B 10 litres	

### APPLICATION INSTRUCTIONS

#### Surface Preparation

The surface to be treated must be clean, structurally sound, free from oil, grease, wax, polish, laitance, dust and other barrier materials.

#### Mixing

The individual contents of WPM 200 should be thoroughly stirred before being mixed together. Take Part A and Part B in equal volumes and pour into a large mixing vessel. Mix thoroughly with a spiral mixing paddle in a slow speed drill until a consistent homogenous mix is achieved. Only mix as much as may be used within the pot life of the product and avoid excessive aeration during mixing.

#### Application

Apply WPM 200 using a brush or roller. Second coat of WPM 200 may be required depending on surface porosity and should be applied after 90 minutes.

#### Note:

- Particular care should be taken not to apply excessive product as this will result in a film being formed over the surface, which will glaze and results in poor adhesion of subsequent coatings. If a glazed surface results it must be sanded before proceeding with other coatings or adhesives.
- When using as an industrial sealer and dust suppressant, two coats are normally required and it is preferable to apply the second coat after 60 - 90 minutes and in any event within the same day. When using for other penetrating purposes one coat is normally sufficient unless applying to a very porous surface and it is advisable to apply a thin coat of WPM 300 after 60 - 90 minutes and in any event during the same day.
- When applying as a bond coat to improperly prepared surfaces or surfaces that may have some grease or oil contamination, the surfaces should be first high pressure detergent washed and fresh water rinsed. The excess surface water should be removed using a squeegee and the WPM 200 applied immediately.

### LIMITATIONS

- Should not be applied when the surface temperature is below 8°C or above 35°C or when the relative humidity is above 90%.

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- The curing reaction of WPM 200 will cease at temperatures below 8°C and recommence slowly and get progressively faster as the temperature rises above 8°C.
- Good ventilation should be provided, either naturally or artificially, during the drying and curing cycle.
- Is not stable under ultra-violet unless under water.

### CLEANING

WPM 200 can be removed from tools and equipment by using clean water immediately after use.

### STORAGE AND SHELF LIFE

WPM 200 has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

### PRECAUTIONS

WPM 200 is classified as non-toxic, non-flammable and non-explosive. Avoid contact with skin and eyes and avoid breathing vapour or spray mist. Wear eye protection and protective gloves when mixing and using.

### DISPOSAL/SPILLAGE

Spillage of any product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and 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.



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