



WP533

WATERPROOFING SLURRY (SEMI-FLEXIBLE)

PRODUCT DESCRIPTION

OPTIMIX WP533 WATERPROOFING SLURRY (SEMI-FLEXIBLE) is a high quality 2-part polymer modified cementitious waterproofing coating. Semi-flexible slurry coat to waterproof concrete components. Capable for directly applications onto wet or damp substrates. Good bonding to all mineral and cementitious based substrates

TYPICAL USAGE

- Surface sealing of concrete elements with minor hairline cracks.
- Waterproof locations subject to positive water pressure.
- Damp-proof for substrate before application of other moisture sensitive top finishes.
- Suitable for bathroom, kitchen, swimming pool, water tank, tunnel, basement, retaining wall, planter, balcony, parapet, etc.
- Free from harmful solvents which facilitate applications at areas with limited ventilation.
- For indoor and outdoor applications on vertical and horizontal surfaces.

FEATURES AND BENEFITS

- Consistent quality
- Simple and easy to use
- Outstanding waterproof property
- Vapour permeable
- Excellent adhesion to substrate
- Applicable on damp surfaces
- Flexible
- Non-toxic



TECHNICAL DATA

Product Characteristics	OPTIMIX WP533
Initial Tensile Strength at 7 days	> 1.8 MPa
Elongation at break at 7 days	> 80%
Tensile Adhesion Strength at 28 days	0.8 MPa
Water Impermeability (0.5 MPa for 3 days)	0 mm
Wet Density	1600 kg/m ³
Coverage / Yield per set (for 1mm thick)	20 m ²
Packaging (per set)	25 kg powder + 10 kg WP50 Emulsion
Shelf Life	12 months

Note: The above are typical laboratory test results and can vary slightly depending on the ambient and substrate conditions during application.

TESTING METHODS

Tensile Strength and Elongation	GB/T 16777
Tensile Adhesion Strength	HKHA/MTS (2000), Part D 2.1.15
Water Impermeability	DIN 1048 : Part 5

Note: The tests were performed according to the national standard or in-house modifications of the corresponding testing procedures

SURFACE PREPARATION

Substrate must be clean, free from loose particles, oil, grease and other contaminants. Pre-treat the substrate with water jet to remove dust and loose particles. Excessive and running water should be removed and stopped respectively.

MIXING

Mix one bag of **OPTIMIX WP533** dry powder with **OPTIMIX WP50** emulsion. Mechanical mixing with slow speed drill fitted with a suitable paddle is recommended. Mix the mixture for about 5 minutes or until a lump-free homogenous mix is achieved and the material is ready for use.

APPLICATION

The mixed slurry should be applied by a trowel or stiff brush onto the substrate. It is recommended to apply the water proofing slurry in 2 coats of approximate 0.5mm thick each coat. The first coat is applied onto the substrate evenly in one direction to seal all minor cracks and cover surface irregularity. The following coat should be applied in perpendicular direction to the previous coat which is slightly surface dried. The finished surface should be protected from excessive water and strong wind. It is recommended to allow 1 to 2 days before applying finishes over the slurry. The cured waterproof membrane is smooth and hydrophobic, a layer of bondcoat or primer is hence recommended to apply over the surface to enhance the bonding adhesion strength of subsequent finishes.

HEALTH AND SAFETY

OPTIMIX WP533 is alkaline in nature and can cause irritations to persons with sensitive skin. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. If contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

STORAGE

Store in the original unopened bags on pallets with plastic wrapping under dry conditions. Store out of direct sunlight, clear of ground on pallets protected from rainfall. Do not store at storage temperature below 5°C. Avoid excessive stacking of pallets. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging and reduce shelf life.



Important Note: The information contained herein is, the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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