



奧迪美®

# WP533

## WATERPROOFING SLURRY (SEMI-FLEXIBLE)

### TWO-COMPONENT CEMENTITIOUS WATERPROOFING MEMBRANE

#### PRODUCT DESCRIPTION

**OPTIMIX WP533 WATERPROOFING SLURRY (SEMI-FLEXIBLE)** is a fast drying 2-part polymer-cement composite coating.

Designed primarily for brush application it is suitable for application onto most damp or dry mineral and concrete substrates. It dries quickly to allow for speedy build-up of multiple layers and allows early installation of subsequent construction layers.

Its high strength plus elongation properties make it ideal for refurbishing wet areas, walls, floors, window frame surrounds and other areas liable to leak as a result of porosity or micro-cracking in the underlying mortar or concrete.



#### TYPICAL USAGE

- Seal concrete surfaces and 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, 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
- Complies with GB/T 23445 JS II





## TECHNICAL DATA

Product Characteristics	OPTIMIX WP533
Tensile Strength and Elongation at break (7 days)	> 1.8 MPa
	> 80%
Tensile Adhesion Strength at 28 days	0.8 MPa
Water Impermeability (0.5 MPa for 3 days)	0 mm

Packaging & Yield	OPTIMIX WP533
Wet Density	~ 1,600 kg/m <sup>3</sup>
Yield	~ 20 L
Coverage	~ 20 m <sup>2</sup> @ 1mm
Packaging	25 kg Powder + 10 kg <b>WP50</b> 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.*

Environmental Data	
Volatile Organic Compounds (VOC)	≤ 10 g/L
Potential BEAM points	Product is manufactured within 800km of Hong Kong project sites
Packaging Composition	Paper bags incorporating 40% recycled paper

Testing Methods	
Polymer Cement Waterproof Coatings	GB/T 23445
Tensile Strength & Elongation at Break	GB/T 16777
	ASTM D412-16
Tensile Adhesion Strength	HKHA/MTS (2000), Part D 2.1.15
Water Impermeability	DIN 1048 : Part 5
VOC Content	USEPA Method 24

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





## **INSTALLATION GUIDE**

*(Refer to Method Statement for more details)*

### **SURFACE PREPARATION**

Substrate must be clean, free from oil, grease and other contaminants. Pre-treat the substrate with water jet to remove dust and loose particles. **OPTIMIX WP533** can be applied onto damp or slightly wet substrates but ponding or excessive surface water should be removed. No running water is allowed.

### **MIXING**

Mix one bag of **OPTIMIX WP533** dry powder with one drum of **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 homogeneous 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 waterproofing 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.

### **FINISHING AND CURING**

The finished surface should be protected from running water, strong sunlight, wind and other similar influences until it has achieved strength or until it has been covered with subsequent construction. For best results allow 1 to 2 days before applying other finishes, however light

weight or self-supporting finishes may be applied later the same day. Once cured the waterproof membrane is smooth and hydrophobic, a layer of bond coat or primer is hence recommended to apply over the surface to enhance the bonding adhesion strength of subsequent finishes.

### **LIMITATIONS**

There is no minimum or maximum overcoat time between layers but care should be taken to ensure that the underlying layer is firm enough to receive subsequent layers without damaging the first layer, or in the case of long period between coats, the underlying coat should be wiped clean and free from dust.

### **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 the products in a cool and dry place with the original unopened bags on pallets with plastic wrapping. Protect from direct sunlight, rainfall and exposure to high humidity conditions. 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.

## ALTERNATIVE PRODUCTS

- **WP515** Waterproofing Slurry (General)
- **WP568** Waterproofing Slurry (Flexible)
- **WF578** Waterproofing Colour Finish (Semi-Flexible)



**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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