

WP568

Waterproofing Slurry (Flexible)

PRODUCT DESCRIPTION

OPTIMIX WP568 Waterproofing Slurry (Flexible) is a premium quality 2-part pre-mixed mortar consists of special cements, graded fillers, hydrophobic agents, high quality polymers emulsion and chemical additives. When the powder part is mixed with the emulsion part, it readily blends to produce a flexible slurry coat for outdoor and indoor applications for waterproofing of both structural and architectural elements. It maintains good bonding to all cementitious based substrates or brickwork. It can be applied onto damp surfaces without affecting its waterproof and damp-proof performance. It is compatible with most of the coverings to be applied over it and, if required, it can be overcoat to build up thicker layers.

TYPICAL USAGE

- **OPTIMIX WP568** is specially formulated for applications as water seals to surfaces of all kinds of building elements that requires damp-proof or waterproof.
- Typical applications are locations that will be susceptible to movement such as roof podiums and balconies, etc.
- **OPTIMIX Waterproofing Slurry** is free from casein, ammonia and harmful solvents thus it is particularly suitable for use in smell sensitivity locations and areas with limited ventilation.

FEATURES AND BENEFITS

- Easy to use and apply
- Outstanding waterproof properties
- Vapour permeable (breathable)
- Non toxic
- Excellent adhesion to substrates
- Consistent quality
- Can be applied onto damp surfaces
- Excellent Flexibility



TECHNICAL DATA

Product Characteristics	OPTIMIX WP568
Tensile Strength at 28 days	1.2 MPa
Elongation at 28 days	> 200%
Bond Strength at 28 days	0.8 MPa
Initial Surface Water Absorption	<0.005 ml/m ² /s
Water Impermeability (0.5 MPa for 3 days)	~0 mm
Wet Density	1500 kg/m ³
Coverage / Yield per set	28 m ² /mm
Packaging (per set)	25 kg powder + 18 kg WP80 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	BS 2782: Part 3; ASTM D412-98a; GBT 16777; GBT 23445
Adhesion Strength	GBT 23445
Initial Surface Water Absorption	BS 1881: Part 208; GBT 23445
Water Impermeability	DIN 1048 : Part 5; GBT 23445

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.
- **OPTIMIX WP568** 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 WP568** dry powder with **OPTIMIX WP80** emulsion.
- Mechanical mixing with a proprietary mixer or power drill fitted with a suitable paddle is recommended.
- Mix the mixture for about 5 minutes or until a lump-free homogenous mix is achieved.

APPLICATION

- The mixed slurry should be applied by a trowel or stiff brush onto the substrate within the working life.
- It is recommended to apply the water proofing slurry in 2 coats of 0.5mm thick each.
- Apply the first coat onto the substrate evenly in one direction with an action forcing the slurry to seal minor cracks and to 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 rainfall before dried.
- It is recommended to allow 1 to 2 days before other finishing materials or protective layer is applied over the hardened slurry surface.
- Since cured **OPTIMIX WP568** membrane is smooth and hydrophobic in nature, a key-coat or primer may be required and applied over the surface to enhance the bonding adhesion of the subsequent top-coat layer or finish especially for those cementitious based materials.
- The tensile strength of **OPTIMIX WP568** can be enhanced by the addition of an alkali resistant glass fibre mesh to be sandwiched between the 2 applied coats.
- The use of alkali resistant glass fibre mesh is useful, in particular, to bridge over cracks subject to expected movement.
- If appropriate, a debond zone adjacent and along the crack may be required.

HEALTH AND SAFETY

- **OPTIMIX WP568** 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.