

INDOSIT™ WP 1001

(Cementitious Waterproofing Coating)



INDOSIT™ WP 1001 is a single component product based on modified SBR latex, designed for use as a ready to use bonding agent and cement modifier. It is used as an admixture for obtaining waterproof concrete, plasters and mortars. Meets the requirements of ASTM C 190-1985 standard.

Features / Benefits:

- Multipurpose liquid, easy to use
- Prevents cracking by improving flexural strength
- Reduces drying and aging shrinkage cracks
- Bonds strongly to concrete, masonry, plasters, cementitious surfaces
- Useful as waterproof coat.
- Useful as a bonding agent between old and new concrete surfaces.
- Excellent impermeability & durability in cement mortar.

Uses:

- Concrete repairs – Spalled concrete of floors, columns, beams, Chajjas, slabs, parapets etc
- Waterproofing – Small roof terraces, sunken portions of toilets & bathrooms, Chajjas & balconies
- Bond coat – bonding of masonry stone work & plastering
- Cladding – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding
- External rendering – Weatherproof & frost resistant render

Application Methodology:

Surface Preparation

Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance and dust. Degrease the surface by using suitable solvents. Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid feather edging and to provide strong bond. Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scabbling or grit blasting. For priming of concrete substrate, the surface should be thoroughly saturated with potable water. Remove any excess of water prior to application.

Use as Water Proofing Coating:

For a water proofing coating, mix INDOSIT™ WP 1001 and Cement in the ratio of 1:1.5 by weight. Mix for 2-3 mins to avoid air entrapment. Gradually add cement to INDOSIT™ WP 1001 until a homogeneous brush able consistency is attained. Apply this mixture by brush in two coats (vertical and horizontal direction) in a time interval of 4-6 hours. Provide the protective screed to the desired slope and thickness.

Use as Repair Mortar modifier:

A suitable mix ratio for patching repair mortar is as follows:

Mix design:

Cement 50 Kg, Washed sand 150 Kg, INDOSIT™ WP 1001: 6-7 Kg, Water 10 Ltr.

Use as Bonding Primer:

For a bonding primer coat mix INDOSIT™ WP 1001:Cement in the ratio of 1:2 by weight. Apply 1 continuous coat by brush of the mix on the prepared concrete surface. Apply repair mortar when the Primer is in tacky or wet on wet condition.

Mixing and Application:

Use PAN mixer to ensure thorough mixing of INDOSIT™ WP 1001 mortar.

Use suitable sized drum with heavy duty electrical drill machine fitted with a spiral paddle mixer at a slow speed of 400-500 rpm.

Coverage:

1 ltr INDOSIT™ WP 1001 when mixed with 1.5 - 2 kg cement will cover approx.2 sq.m area, in 2 coats

Note: Coverage-will depend on brand of cement and its subsequent mix. The consumption varies depending upon the substrates.

Technical Data:

Appearance	Milky White, translucent free flowing liquid
Type	SBR Latex
pH @ 27°C	Min 7.5 to 8.5
Specific Gravity @ 27°C	1.01 ± 0.01 Kg/Liter

Packaging:

1, 5, 10, 20 & 50 Lit Pack

Storage & Shelf Life:

Store in cool dry place 24 months from date of manufacturing.

Health & Safety:

Adopt health & safety regulations in accordance with local laws. Care should be taken when handling INDOSIT™ WP 1001 as it may cause irritation due to its Cementitious nature (please refer to Material Safety Data Sheet for specifics).As typical on most job sites, applicators should wear protective clothing and gloves. Safety shoes and helmets must be worn by staff at all-times. Velosit recommends the enforcement of stringent health and safety measures on all job sites.

Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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