

TECHNICAL DATASHEET

NEOSEAL 502

DESCRIPTION

NEOSEAL 502 is based on modified styrene butadiene latex for high performance waterproofing and repairs applications. It is ideal product for waterproofing of toilets, bathrooms, terrace, balcony etc. It can be used for repairs of spalled concrete – columns, beams, floors, slabs, chhajjas etc. It provides good bonding between old and new concrete and plasters. It makes structure abrasion and erosion resistant and prevents from cracks formation.

TYPICAL APPLICATIONS

- Waterproofing of various building portions prone to water leakage especially terrace, bathroom and toilet, water/chemical/effluent tanks, sumps, drains and water retaining structures.
- Repairs of spalled plasters and concrete.
- Fixing of tiles, natural stones and marble bedding.
- As a bond coat for new plaster/concrete to old plaster/concrete.
- Filling of more than 5mm wide plaster cracks and gaps between beams/columns and masonry (Wall) work.
- Erosion, frost resistant external plastering.
- Corrosion preventing coating on exposed rebars in spalled concrete.

DIRECTIONS FOR USE

1. **Surface preparation:** Remove dust, loose particles etc. and contaminants like oil/grease using wire brush and water jet. Vacuum clean the surface and dampen it. Break the weak portion of concrete surface at and near the area of repair. Roughen the surface mechanically and dampen the surface with clean water. Remove corrosion deposit and clean the surface of exposed rebars.
2. **Waterproof coating:** While making slurry, always add cement to Neoseal 502, slowly with constant stirring. Mix in suitable size container using a high speed electric drill machine with spiral paddle at 400 to 500 rpm speed. Apply 2 coats of this homogeneous slurry in parallel and perpendicular direction. 2nd coat is to be applied at least 4 hours after the 1st coat. Overlay screed/plaster of desired thickness for protection.
3. **Bond Coat:** Apply plaster/concrete when the coat becomes tacky.
4. **Concrete surface priming coat:** This coat should apply prior to applying two regular waterproofing coats, if the concrete surface is rough or still not sound.

NeoSeal Adhesive Pvt. Ltd.

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MIX DESIGN

SR NO.	APPLICATION	RATIO	THICKNESS
1.	Waterproofing coats	1 : 4 : 7 (Neoseal 502: water: cement) for General purpose 1 : 1.5 to 1 : 2 (Neoseal 502 : OPC) for water retaining structures like water tanks etc.	2 coats
2.	Concrete surface priming coat	1 : 3 : 6 (Neoseal 502 : Water : OPC)	1 coat
3.	Waterproof plaster/ repair plaster	OPC - 50 KG, Clean sand - 150 KG, Water - 20 Ltr, Neoseal 502 - 1 KG	6-40 mm
4.	Rebar coating	1 : 1 (Neoseal 502 : OPC)	1 coat
5.	Bond Coat	1 : 1.5 (Neoseal 502 : OPC)	1 coat
6.	Renders, Patching/ Crack repair Mortar	OPC - 50 KG, Clean Sand - 150 KG, Water - 15 Ltr., Neoseal 502 - 5 KG	-

TECHNICAL INFORMATION

PROPERTIES	RESULTS
Nature	Milky White Liquid
Type	Styrene Butadiene Latex
Solid Content	44 ± 2%
pH value	7-9
Sp. gravity at 27 ^o C	1.02 ± 0.02 gm/ml
7 days compressive strength	Min. 20 N/mm ²
Coverage as waterproofing coats	73 to 76 sq. ft per kg in 2 coats for the mix ratio 1: 4: 7 (Neoseal 502: water : OPC)

PACKING: 200gm, 500gm, 1 kg, 5kg, 20 kg & 50kg

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SHELF LIFE AND STORAGE: Best before 18 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool and dry place in closed condition and away from direct sunlight.

PRECAUTIONS AND LIMITATIONS: Follow recommended dosage strictly. Do not use in second coat of plaster as it may create difficulty in paint application, instead use Neoseal IWP. Add water if needed in repair mortar in hot temperature conditions to compensate for evaporation loss.

HEALTH AND SAFETY PRECAUTIONS: Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during mixing and application. In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water. In case of contact with eyes, immediately rinse with plenty of clean water and seek medical advice.

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