



TECHNICAL DATASHEET 502 LATEX PRIME

DESCRIPTION:

NeoSeal® 502 is a styrene butadiene latex based modified waterproofing and bonding agent for high performance. It makes structure abrasion and erosion resistant and prevents cracks formation in it.

AREA OF APPLICATION:

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 on old one
- 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, 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 is applied prior to 2 regular waterproofing coats if the concrete surface is rough or still not sound.

MIX DESIGN:

SR NO.	APPLICATION	RATIO (NeoSeal 502 : Water : Cement)	THICKNESS
1.	Waterproofing coats	1 : 4 : 7 - For general application 1 : 1.5 : 2 - For water retaining structures	2 coats
2.	Concrete surface priming coat	1 : 3 : 6	1 coat
3.	Waterproof plaster/repair plaster	OPC - 50 KG, Clean sand - 150 KG, Water - 20 Litre, 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 Litre, NeoSeal 502 - 5 KG	-

NeoSeal Adhesive Pvt. Ltd.



TECHNICAL INFORMATION:

PROPERTIES	RESULTS
Nature	Milky White Liquid
Type	Styrene Butadiene Latex
Solid Content @ 105 ^o C	44 ± 2%
pH value	9 - 11
Sp. gravity at 27 ^o C	1.02 ± 0.02 gm/ml
7 days compressive strength	20 N/mm ²
Coverage as waterproofing coats	65 - 75 sq. ft. per kg in 2 coats for the mix ratio 1: 4: 7 (NeoSeal 502: water : OPC)

COVERAGE: 65 - 75 sq. ft. per kg in 2 coats for the mix ratio 1: 4: 7 (NeoSeal 502: water : OPC). DFT about 50 – 70 microns.

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

SHELF LIFE AND STORAGE: Best before 18 months from the manufacturing date 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.

NeoSeal Adhesive Pvt. Ltd.

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