

TECHNICAL DATASHEET

NEOSEAL 501

DESCRIPTION

NEOSEAL 501 is based on modified styrene butadiene latex used for waterproofing and bonding agent for various repair applications. It is used for repairs of spalled concrete – columns, beams, floors, slabs, chhajjas etc. It provides good bonding between old and new concrete and plasters. It can use as waterproofing of toilets, bathrooms, terrace, balcony etc. can bond strongly to It reduces cracking, shrinkage and improves abrasion resistance and erosion resistance.

APPLICATIONS

- Waterproofing of various building portions prone to water leakage especially terrace, bathrooms and toilets, balconies, chhajjas etc.
- 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.
- Pinhole treatment (by slurry) on concrete surface.

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 the surface. 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. Apply a coat of Neoseal 501 on cleaned rebars.
2. **Waterproof coating:** While making slurry, always add cement to Neoseal 501 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.

NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA

info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net

MIX DESIGN

SR NO.	APPLICATION	RATIO	THICKNESS
1.	Waterproofing coats	Neoseal 501 - 1 KG : OPC - 1.5 KG	2 coats
2.	Concrete surface priming coat	1 : 1 : 3 (Neoseal 501 : Water : OPC)	1 coat
3.	Repair Mortar	OPC- 50 KG, Clean sand - 150 KG, Water - 10 Ltr., Neoseal 501 - 8-9 KG	6-40 mm
4.	Floor Screed	OPC - 50 KG, Clean sand - 75 KG, 3-6 mm granite chips- 75 KG, Water- 6 Ltr., Neoseal 501 - 8-9 KG	10-40 mm
5.	Bond Coat	1 : 1 (Neoseal 501 : OPC)	1 coat
6.	Pinhole Treatment	OPC- 50 KG, Water- 5 Ltr., Neoseal 501- 5 KG	-

TECHNICAL INFORMATION

PROPERTIES	RESULTS
Nature	Milky White Liquid
Type	Styrene Butadiene Latex
Solid Content	37 ± 2%
pH value	7 - 9
Sp. gravity at 27 ⁰ C	1.02 ± 0.02 gm/ml
7 days compressive strength	Minimum 14 N/mm ²
Coverage as waterproofing coats	23 to 26 sq. ft per Kg in 2 coats for the mix ratio of 1 : 1.5 (Neoseal 501 : OPC)

PACKAING: 200gm, 500gm, 1 kg, 5kg, 10kg, 20 kg & 50kg

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.

NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA

info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net



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.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA

info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net