



518 Seal X Clear

Polymer based Transparent Waterproofing Compound
TECHNICAL DATASHEET

DESCRIPTION:

NeoSeal® 518 Seal X Clear is water based; invisible, protective coating that is suitable for all forms of natural Stone, masonry and concrete surface. It protects against stains, discoloration, efflorescence and soiling. Application on marble, brick, limestone and mortar joints, it will seal and reduce staining and water absorption. It can be used internally or externally without changing the aesthetic look of the surface & can be used for protection of concrete and other mineral façade surfaces. Due to self-crosslinking polymers it gives very high resistance to alkaline substrates, protects the top coat of coatings and gives very high efflorescence resistance.

TYPICAL APPLICATIONS:

- Seals and protects natural stone
- Sandstone, Granite and Slate.
- Ideal for use on paths, patios and block paving.
- Protection of concrete, mortar, masonry and other mineral facade surfaces
- Internal and external use

TECHNICAL INFORMATION:

PROPERTIES	STANDARD SPECIFICATION	TEST RESULTS*
Colour		Initial : Milky white liquid Cured appearance: Transparent, with little sheen
Viscosity		10000 ± 2000 Cps
Sp. Gravity @ 27°C	ASTM D 792	0 1.05 ± 0.05 g/ml
Solid content by weight	ASTM D 1644	49 % ± 2
pH Value	IS 9103	9 ± 2
Tensile adhesion strength	(EN 1542)	≥ 1.5 N/mm ²
Water absorption	IS : 12027 : 1987	~12 % by weight after 24 hour water immersion
Microbiological resistance		Excellent
Resistance to weathering		Excellent

*All values given are subject to 5-10% tolerance.

FEATURES / ADVANTAGES:

- Protection of both internal and external surfaces
- Easy to apply, no special tools required, Spray application possible
- Water based and non-flammable, Solvent free, zero VOC
- Suitable for porous substrates with over coating
- Efflorescence resistant
- Excellent water repellent
- Very low water penetration into substrate
- Protects Substrate from Deterioration due to Weathering



DIRECTIONS FOR USE:

1. Surface preparation:

Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles using wire brush and water jet. Break the weak portion of concrete surface near the area of repair and clean with water jet. Roughen the surface mechanically and dampen the surface with clean water. Remove corrosion deposit and clean the surface of exposed rebar.

2. Crack Filling:

- Cracks of size up to 5mm should be filled by NeoSeal® 503 Crack Filler paste.
- Cracks wider than 5 mm should be filled by applying NeoSeal® 501 SBR Latex or 502 Latex Prime modified mortar slurry using putty blade properly. Let it dry for 24 hrs.

3. Pre Application:

New Concrete should be cured completely. Finishing must be completed and allowed to be cured. In case of rains, allow the structure to dry for at least 24 hours before NeoSeal® 518 Seal X Clear application.

4. Mixing:

NeoSeal® 518 Seal X Clear are supplied ready to use. Stir thoroughly using a conventional paint stirrer prior to application.

5. Application:

- Apply the sealer onto the prepared substrate by good quality long pile roller or suitable brush in dry weather. Ensure a continuous; pore free coat covers the substrate.
- Apply second coat on demanding substrates after the first coat is tack free.
- When applying to masonry joints, the coating must be brushed well into the joints.

COVERAGE:

80 to 90 sq. ft. per Kg per coat. Actual coverage may vary as it depends upon on porosity and absorption characteristics of the substrate. Minimum 2 coats are recommended.

For spray applications, Coverage shall be little higher.

PACKING: 1 Kg, 5 Kg, & 20 Kg

SHELF LIFE AND STORAGE:

Best before 12 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool and dry place between 5°C to 35°C 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 500. 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 and eye protection 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 take medical advice.

DISCLAIMER:

The product information & application details given by the company & its agents have been provided only as a general guideline for usage. No guarantee / 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. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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