



TECHNICAL DATASHEET IWP 500



DESCRIPTION:

NeoSeal® IWP 500 is Integral liquid waterproofing compound based on a polymer additive and water reducer. It is used as an additive for cement concrete, mortar, plasters and waterproofing. It makes concrete, plaster dense and cohesive. It prevents segregation, reduces porosity and increases strength of the concrete.

TYPICAL APPLICATIONS:

Waterproofing of concrete and sand-cement mortar used in the various part of the building such as slabs, screeds, internal/external plasters, basement, water tanks, water retaining structures, sumps, drains bathrooms, toilets etc.

FEATURES / ADVANTAGES:

- ISI 2645 certified product. Meets all requirements as per the ISI 2645 standard.
- Makes mortar and concrete mix more cohesive and improves the workability.
- Reduce the water permeability of the application area.
- Increase the strength and durability of structure by waterproofing and corrosion resistance properties.
- Reduces the shrinkage and crack formation in the concrete and plaster.
- It is non-flammable, non-hazardous, non-toxic liquid.

DIRECTIONS FOR USE:

Charge cement, sand and aggregates as per the mix design in the Mortar Mixer and mix it in dry form for 2-3 minutes. Start adding 75 - 80% premeasured water in the concrete mixer and mix it for 5 minutes. Take the recommended dosage of NeoSeal® IWP 500 and poured in to the remaining quantity of water (in separate container) then add this mixer of (IWP & water) in to the Mortar mixer and mix for 3-4 minutes. Don't add NeoSeal® IWP 500 directly in to dry concrete mix. Don't use extra dose of IWP than recommended.

TECHNICAL INFORMATION:

| PROPERTIES | SPECIFICATIONS | APPLICABLE STANDARD |
|--|---------------------|---------------------|
| Appearance | Free flowing liquid | Visual |
| Colour | Brown | Visual |
| Sp. Gravity @ 27°C | 1.1 – 1.2 g/ml | |
| Solid Content | 21 ± 2% | IS 101 |
| pH Value | 10 – 12 | IS 9103 |
| Setting time, minutes | Passes | IS 2645:2003 |
| Chloride content | Max 2.00% | IS 2645:2003 |
| Water Permeability | Passes | IS 2645:2003 |
| Compressive strength N/mm ² | Passes | IS 2645:2003 |

DOSAGE:

200ml per 50kg bag of cement

PACKING SIZE:

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

NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.
Email: info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net

**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 between 5⁰ C to 45⁰ C in closed condition and away from direct sunlight.

PRECAUTIONS AND LIMITATIONS:

Follow recommended dosage strictly. Don't add NeoSeal® IWP 500 directly in to dry concrete mix. Maintain water-cement ratio as low as possible.

HEALTH AND SAFETY PRECAUTIONS:

Wear suitable protective clothing, gloves and eye protection equipment during mixing and application. In case of contact with skin, rinse with plenty of water. In case of contact with eyes, immediately rinse with plenty of clean water. Seek medical advice, if needed. Keep out of reach of children.

NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.
Email: info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net