



TECHNICAL DATASHEET IWP 510 Plus



DESCRIPTION:

NeoSeal® IWP 510 Plus is a Integral liquid waterproofing compound. It is used as a water reducer, admix for cement concrete, mortar, plasters and waterproofing. It makes concrete, plaster dense and cohesive. It prevents segregation, reduces porosity and increases strength and durability of the concrete.

TYPICAL APPLICATIONS:

Waterproofing of concrete and mortar made using natural sand or Crushed sand (M-Sand). It can be used in RCC columns, beams, slabs, screeds, internal/external plasters, basement, water tanks, water retaining structures, sumps, drains bathrooms, toilets etc.

FEATURES / ADVANTAGES:

- ISI 2645 certified product. Meets or exceed all requirements of the IS 2645 waterproofing standard.
- About 25% water reduction. Workable mortar or concrete can be made using 25% less water, which will make mortar and concrete more cohesive and improves the workability significantly.
- Reduce the water permeability of the application area. It can reduce the cement usage as well.
- Increase the strength and durability of structure by waterproofing and corrosion resistance.
- Reduces the shrinkage and crack formation in the concrete and plaster.
- It is non-flammable, non-hazardous, non-toxic liquid.

DIRECTIONS FOR USE:

NeoSeal® IWP 510 Plus reduces the water consumption around 25% so calculate water usage for the mix design accordingly. Charge cement, sand and aggregates as per the calculated mix design in the Mortar Mixer and mix it in dry form for 2-3 minutes. Start adding about 60-70% premeasured water in the concrete mixer and mix it for 5 minutes. Take the recommended dosage of NeoSeal® IWP 510 Plus and poured in to the remaining quantity of water (in separate container) then add this mixer of (IWP Plus & water) in to the Mortar mixer and mix for 4-5 minutes or until homogeneous mixer achieved. Don't add NeoSeal® IWP 510 Plus directly in to dry concrete mix. Don't use extra dose of IWP Plus than recommended.

TECHNICAL INFORMATION

PROPERTIES	SPECIFICATIONS	APPLICABLE STANDARD
Appearance	Free flowing liquid	Visual
Colour	Light Yellowish	Visual
Sp. Gravity @ 27°C	1.1 – 1.2 g/ml	
Solid Content	20 ± 2%	IS 101
pH Value	6 – 8	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

NeoSeal Adhesive Pvt. Ltd.

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DOSAGE

100ml per 50kg bag of cement

PACKAGING:

200ml, 500ml, 1Ltr., 5Ltr., 10Ltr., 20Ltr. & 50Ltr.

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 510 Plus directly in to dry concrete mix. IWP 510 Plus reduces the water consumption by about 25% so calculate water usage for the mix design accordingly. 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.

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