

TOP Plast IP

Integral Waterproofing Compound for concrete and mortar

PRODUCT DESCRIPTION

Top Plast IP is an integral waterproofing which minimizes the permeability and increases the waterproofing properties of the concrete and cement mortar.

USES

Top Plast IP System which is suitable for the waterproofing of masonry and concrete structures such as: Tunnels, Basements, Balconies, Canals, Water tanks, Precast, Inspection chambers, Sumps, Concrete walls, Manholes and Swimming pools. It used for producing pre-cast elements requiring high durability.

ADVANTAGES

- Improved concrete quality Minimizes porosity and honey combing.
- Produces dense homogenous concrete.
- Improves workability of the concrete.
- Permeability of the mortar and concrete is reduced appreciably.
- Increased durability.
- Reduces transmissibility and porosity due to seepage of water, resulting in florescence and discoloration.
- Compatible with all types of cements.
- For protective screeds of cement, sand mortar used in waterproofing.
- Resists fungal growth on the plastered surface of the brick.

TECHINICAL PROPERTIES

Color & Appearance	Brown liquid
Specific gravity	1.15 – 1.17 g/cc

Ph	>9
Chloride content	Max 2% as per IS 2645-2003 Standard
Water permeability	Passes as per IS 2645-2003 Standard
Compressive strength	Passes as per IS 2645-2003 Standard
Setting Time	Passes as per IS 2645-2003 Standard

DOSAGE

The dosage of **Top Plast IP** is 200ml per 50kgs of cement.

EFFECTS OF OVER DOSAGE

An over dose of double the maximum recommended dose of **Top plast IP** will result in very high workability, possible severe Retardation and segregation. Otherwise the Ultimate compressive strength of the concrete May not be impaired, if properly cured. The Overdosing effect will be more severe when used with sulphate resisting cement.

APPLICATION

Top Plast IP use with all sand/cement mortars where it is required to reduce permeability to a minimum. **Top Plast IP** is recommended for all general mass concrete work where, due to harsh aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimized..

The minimum dosage is 125ml and the maximum is 200ml per 50kgs of cement. If maximum dosage

is used a minimum of 15% water should be reduced to ensure no loss in strength. Site trials shall be carried out to arrive at the optimum dosage. The required quantity of **Top Plast IP** is measured and stir into the first or second bucket of water.

Top Plast IP Water mixture shall be added to the concrete or mortar and mixed thoroughly. Mixing shall be continued and further water shall be added until the required workability is obtained. The total amount of water added per mix in the initial batches shall be maintained for the remaining batches.

Mixes using **Top Plast IP** will require much less water than normal mixes for the same workability. Water reduction may be as much as 15% or more. If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, and then the amount of water used must be reduced or increased to give the original workability.

Warning:

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PACKAGING

Top Plast IP is supplied in 1litre, 5 liter, 20 and 200 liters containers.

STORAGE

Top Plast IP has a minimum shelf life of 18 months, If kept in a dry store in unopened containers.

HEALTH & SAFETY ADVICE

Wear protective clothing's, safety shoes and gloves during the application of the material and When cleaning the equipments. The use of a suitable skin care cream is recommended. In case of contact with skin wash with soap and water. In case of contact with eyes rinse immediately with clean water and seek medical advice immediately.