

ShaliPlast® IW

Integral Waterproofing Compound for RCC / PCC / Plaster



STP Limited

Description

ShaliPlast® IW is integral liquid waterproofing compound composed of surface-active agents, plasticizers, polymer and additives. It is also used as an additive for RCC / PCC / mortar / plasters to make concrete cohesive by reducing cement voids / capillaries.

Approvals / Standards

It conforms to the requirements of IS:2645-2003 and IS:9103-2000.

Technical Characteristics at 27°C, 55% RH

Colour	Brownish	Non-volatile Content, %	14 ± 1
Specific Gravity	1.06 ± 0.01	Chloride Content, %	< 0.02
pH	Minimum 6	Setting Time, minutes	40 - 550
Water Permeability, %	< 50 of control	Dosage, % by weight	0.2 - 0.4
Compressive Strength, MPa	Equal to control	Mixing Time, minutes	2

* Dosage varies according to mix design and is to be calculated on the weight % of cement used

Field of Application

Used as an additive for RCC / PCC / mortar / plasters in,

- Basement, roof slab, screed
- Water tank, terrace, floors, balconies and bathrooms
- Sumps, water reservoirs and drains
- External / Internal plaster

Advantages

- Economics: It is an economical additive as compare to other waterproofing materials.
- Compatibility: Easily dispersible & compatible with concrete / mortar mixes.
- Cohesiveness: Reduces capillary and makes PCC / plaster more cohesive.
- Durability: Enhances durability.
- Permeability: Reduces Permeability.
- Workability: Improves workability of freshly mixed RCC / PCC.
- Breathability: Retains the breathing efficiency of concrete.
- Shrinkage: Reduces shrinkage crack development in RCC / PCC / plaster.

Application Methodology

- Charge cement, sand and aggregates in concrete mixture as per mix design.
- Dry mix for 2 minutes.
- Add 75 - 80% of water and mix for 3 minutes.
- Add **ShaliPlast® IW** @ 0.2 to 0.4% with respect to the quantity of cement in the required water and then wet-mix for 2 minutes after adding such dosed water.
- Mix for 2 minutes.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or plaster as per good construction practices.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Avoid contact with skin/eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.

- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Cleaning & Disposal

- Spillages of **ShaliPlast® IW** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.
- The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Packing

Available in 1 L, 5 L and 20 L and 200 L container.

Storage

Store in a cool dry place, under shed, away from heat.

Shelf Life

12 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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