

# ShaliPlast<sup>®</sup> LW++



Integral Waterproofing-cum-Corrosion Inhibitor For Reinforced Cement Concrete (RCC)

STP Limited

## Description

**ShaliPlast<sup>®</sup> LW++** (formerly known as ShaliPlast LW+) is revolutionary liquid waterproofing compound which protects concrete internally from water ingress as well as saves the re-bars of reinforced concrete and mortar against chloride induced corrosion. The unique bi-polar compound migrates through concrete during curing process and puts a passive layer over re-bars to stop chloride corrosion. It meets the requirements of IS 2645, IS 9103 and ASTM C 1582M.

## Characteristics

Appearance	Light yellow free flowing liquid	Specific Gravity @ 30 °C	1.09 ± 0.01
		Water permeability	Pass
pH	9 - 13	Non Volatile, %	18 ± 1

## Application

- Used in RCC floors, walls and slabs.
- Mass concrete casting making dyke walls.
- Bridges and Marine structures.
- Deicing areas.

## Advantages

- Corrosion resistant & highly impermeable.
- Easily dispersible & compatible with RCC.
- Highly compressive strength.
- Reduces shrinkage crack development.
- Provides greater workability.
- Increase durability of concrete.

## Application Methodology

- Dry mix cement, sand, aggregate in concrete mixer for 2 minutes.
- Add 75-80% of required water into the mix and mix for 3 minutes.
- Add **ShaliPlast<sup>®</sup> LW++** in the ratio of 200 ml per bag of cement in remaining water and then wet mix for 2 minutes after adding such dosed water.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or concrete as per good construction practices.
- For Air entraining agent, a pre-blend trial must be done to decide the doses of air entraining agent as **ShaliPlast<sup>®</sup> LW++** with air entraining agent increases air producing efficiency.
- Compatible with all types of Portland cement including SRC (Sulphate Resistance Cement) and not compatible with high alumina cement.

## Health & Safety

- Use mask, hand gloves, goggles during application.
- Clean Hands with soap water after application.

## Packing

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

## Storage

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

## Shelf Life

12 months in original unopened sealed condition.



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