

# ShaliPlast<sup>®</sup> R

Set Retarding Admixture



STP Limited

## Description

**ShaliPlast<sup>®</sup> R** (formerly known as ShaliCon Retarder) is a set retarding admixture for concrete. It provides increased working time, better workability, higher durability, reduced shrinkage and permeability.

It conforms to specification prescribed in IS 9103 & ASTM C – 494 Type B

## Characteristics

Colour	Amber Brown	Specific Gravity	1.13 – 1.19
pH	7 – 8	Chloride Content	Nil

## Application

- Structural concrete.
- Bridge decks.
- Warm weather applications.
- Lightweight concrete.
- Highway concrete.
- Mass concrete.

## Advantages

- Provides easier handling and finishing.
- Elimination of cold joints between subsequent pours in mass or structural concrete.
- Chloride Free.
- Aids in placing bridge deck concrete where it is desirable to stress the entire section prior to the concrete achieving initial set.
- Provides increased durability.
- Reduces shrinkage and permeability
- Long lasting control of slump loss at high concrete temperature.
- Enable transport of concrete to distant places.

## Application Methodology

- Add **ShaliPlast<sup>®</sup> R** to the dosing water. It should not come into contact with dry cement.
- Charge all concrete material in the proper order into the mixer with about 70 % of the mixing water and mix for the three minutes. Add rest quantity of water with admixture to obtain the required slump and mix for three addition minutes.

## Dosage

0.2 –1.5 % by weight of cement. Do not allow over dosing. Due to overdosing setting time will be extended rigorously. It is advisable to carry out a trial to establish the exact & optimal dosage rate depending upon set retardation required.

## Health & Safety

- 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.

### Packing

Available in 20 kg & 200 kg container.

### Storage

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

### Shelf Life

9 months in original unopened condition.



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*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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