ShaliPlast R

Set Retarding Admixture

STP Limited

Description

ShaliPlast 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.
ShaliPlast R 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 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

- **ShaliPlast R** is non-toxic.
- Any splashes on the skin should be washed immediately with water.
- Splashes on the eyes should be washed immediately with water and seek medical advice.

Packing

Available in 20 Kgs & 200 Kgs container.

Storage

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

Shelf Life

12 months in original unopened condition.