

ShaliPlast SP



High Range Water Reducing Cum Retarding Admixture

STP Limited

Description

ShaliPlast SP (formerly known as ShaliCon 537) is a high range water-reducing admixture formulated specifically to extend the working time of concrete. It is based on Naphthalene Formaldehyde.

ShaliPlast SP conforms to specification prescribed in IS 9103 & ASTM C 494, Type G

Characteristics

Colour	Amber brown	Specific Gravity	1.18 ± 0.02
pH	7 – 8	Chloride Content	Nil

Application

- High performance concrete.
- Ready mix concrete.
- Flowing concrete.
- Heavily reinforced concrete.
- Pumpable concrete.
- Concrete for precast slabs.

Advantages

- Produces Flowing concrete with controlled delay of slumps loss and workability.
- Reduces cracking and permeability of hardened concrete.
- Reduces segregation and bleeding in the plastic concrete.
- Significantly reduces concrete placement time and cost.
- Long time workability retention.
- Enable transport of concrete to distant places

Application Methodology

- Add **ShaliPlast SP** 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.
- Forms for walls or narrow sections must be watertight, strong and must have good bracing.
- During the “Flowing period” the concrete will exert a higher pressure at the base of the form than conventional concrete. Form work for slabs is the same as for conventional concrete.
- Compatible with all types of Portland cement including SRC (Sulphate Resistance Cement) and not compatible with high alumina cement.

Dosage

0.5 – 2 % 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 SP** 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 kg & 200 kg drum.

Storage

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

Shelf Life

9 months in original sealed condition.



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