

ShaliPlast[®] SP



High Range Water Reducing Cum Retarding Additive

STP Limited

Description

ShaliPlast[®] SP (formerly known as ShaliCon 537) is a high range admixture, being additives for cement, mortars or concrete, for water-reducing formulated specifically to extend the working time of concrete. It is based on Naphthalene Formaldehyde.

It conforms to specification prescribed in IS 9103 & ASTM C 494, Type G.

Characteristics

Colour	Amber brown	Specific Gravity	1.20 ± 0.03
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 overdose bleeding or increase in setting time will happen. 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.
- 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 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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