

REC PLAST SP 90

HIGH RANGE WATER REDUCING SUPER PLASTICISER ADMIXTURE

DESCRIPTION

REC PLAST SP 90 is super plasticizing admixture formulated from melamine formaldehyde specially designed to enable the water content of the concrete to perform more effectively. This effect can be used to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining mix properties.

PRIMARY APPLICATIONS

- Low water to cement ratio, high strength concrete.
- To accelerate early strength development.
- To produce high quality concrete of improved durability and water tightness.
- Pre cast concrete.
- For concrete floor mixes in which mechanical troweling will be used.

FEATURES/BENEFITS

- High strength increase with same cement content.
- Earlier formwork stripping by increasing early strength.
- Improved workability, reduces placing and compaction problems.
- Cement saving without affecting concrete strength and workability.
- Minimizing segregation and bleeding problems by improving cohesion.
- More durable concrete as a result of reduction in permeability and lower water to cement ratio.

COMPATIBILITY

REC PLAST SP 90 is suitable to use with all types of Portland cement and cement replacement materials.

REC PLAST SP 90 is compatible with other Reckon admixtures used in the same concrete mix.

If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

STANDARDS

REC PLAST SP 90 complies with ASTM C494, Type A and F and BS 5075, Part 3.

TECHNICAL INFORMATION

Colour:	Brown powder
Chloride content: EN 934-2	Chloride-free

DIRECTIONS FOR USE

REC PLAST SP 90 should be added to the concrete with the mixing water to achieve optimum performance. An automatic dispenser should be used to dispense the correct quantity of **REC PLAST SP 90** to the concrete mix.

DOSAGE

The recommended dosage of **REC PLAST SP 90** is 0.4-2.5% of 100 kg of cementitious materials in the mix, including GGBFS, PFA or micro silica. Representative trials should be conducted to determine the optimum dosage of **REC PLAST SP 90** to meet the performance requirements by using the materials and conditions in actual use.

EFFECTS OF OVER DOSAGE

Over dosage of **REC PLAST SP 90** will cause the following:

- Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

SETTING TIME

Although the setting time is dependent on the dosage of **REC PLAST SP 90**, the following factors should be considered:

- Retardation is increased with lower levels of tri- calcium in the cement.
- Lower temperatures will delay the setting time.
- SRC cement gives higher retardation levels than ordinary cement.
- Using more than one type of admixture in the same concrete mix could affect the setting time.
- Retardation level is increased when cement replacement materials are used in the concrete mix.

CLEANING

- **REC PLAST SP90** can be washed with fresh cold water.

PACKING

REC PLAST SP 90 is available in bulks supply on demand. It can be supplied in pails, drums and tanks.

STORAGE

REC PLAST SP 90 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C. If these conditions are exceeded, Reckon Technical Department should be contacted for advice.

HEALTH & SAFETY

REC PLAST SP90 is not classified as hazardous material. **REC PLAST SP 90** should not come into contact with skin and eyes. In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly. For further information refer to the Material Safety Data Sheet.

WARRANTY: The Reckon Chemicals (Pvt.) Ltd. (Reckon) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Reckon, no other representations or statements made by Reckon or its representatives, in writing or orally, shall alter this warranty. Reckon MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Reckon product fails to conform with this warranty, Reckon will replace the product to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Reckon does not authorize anyone on its behalf to make any written or oral statements which in any way alter Reckon's installation information or instructions in its product literature or on its packaging labels. Any installation of Reckon products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Reckon's products for the Buyer's intended purposes.

RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

