

REC PLAST 312

PLASTICIZER FOR CEMENT MORTAR

Description

Rec Plast 312 is a synthesized polymer plasticizer for sand-cement mortars.

PROPERTIES

REC PLAST 312 confers to mortars a better workability, while maintaining an excellent cohesion. **Rec Plast 312** is free from calcium chloride and similar salts. **Rec Plast 312** replaces lime in plastering and bricklaying mortars. **Rec Plast 312** introduced into mortar mixes, generates a network of stable microscopic bubbles, uniformly distributed, which diminishes the phenomena of capillarity.

SCOPE OF USE

Rec Plast 312 is recommended for the correction of grain-size distribution of natural sand that are poor in fine elements. **Rec Plast 312** is recommended for mortars exposed to frost. **Rec Plast 312** makes it possible to reduce shrinkage and risk of cracking and avoid segregation and bleeding.

Technical Information

Appearance	Liquid
Specific gravity at 20°C	1.05 -1.08
Chloride content	Nil (BS 5075)
Air entrainment	Up to 2% depending on the admixture dosage and mixture proportioning

APPLICABLE STANDARDS

REC PLAST 312 complies with ASTM C 494.

INSTRUCTIONS FOR USE

Rec Plast 312 is to be added with the mixing water. Reduce the mortar mixing by 20% before the incorporation of **Rec Plast 312**. During mixing, adjust the plasticity by adding small quantities of water until the required plasticity is reached.

DOSAGE

Trials should be conducted to determine the optimum dosage of **REC PLAST 312** for a particular mixture. A dosage of 0.4- 2.5 % of 100 kg of cementitious materials can be practiced. Preliminary tests should be carried out for dosages higher than 0.8%.

EFFECT OF OVER DOSE

Severe over dose of **REC PLAST 312** will result in the following:

- Slight delay of the initial and final setting of the concrete mixture
- Slight increase in air entrainment.
- Decreases early compressive strength.

Providing it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than that of the normal concrete.

COMPATIBILITY

REC PLAST 312 can be used in all types of Portland and sulfate-resisting cements. For use with other cements, contact the company's technical service department. **REC PLAST 312** should be dispensed directly into the mixer and should not be pre mixed with other admixtures. If other admixtures are to be used in concrete containing **REC PLAST 312**, they must be dispensed separately. Consult the Technical department of the Company.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment.

PACKAGING

Rec Plast 312 is supplied in bulk quantity in barrels.
Storage tanks can be provided for bulk use.

STORAGE

REC PLAST 312 can be stored up to 1 year from manufacturing date if it is kept sealed, out of direct sunlight and protected from extreme temperatures.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/ QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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