

REC PLAST SP 124

HIGH PERFORMANCE WATER REDUCING ADMIXTURE FOR HSC

DESCRIPTION

REC PLAST SP124 is a high performance super plasticizing admixture formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. This effect can be used in high strength concrete mixes to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining and improving mix properties.

PRIMARY APPLICATIONS

- To produce high quality concrete of improved durability and water tightness.
- Recommended for high strength concrete mixes.
- Improved cohesion allows for use in mass concrete pours and piling.

FEATURES/BENEFITS:

- Improved workability reduces placing and compaction problems.
- Allowing for high strength concrete production without excessive cement contents.
- Cement saving without affecting strength.
- Minimizing segregation and bleeding problems by improving cohesion.
- More durable concrete as a result of reduction in permeability and lower water to cement ratio.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.21 ± 0.02
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 2.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC PLAST SP124 complies with ASTM C 494 Type G, ASTM C1017 & BS 5075.

INSTRUCTIONS FOR USE

REC PLAST SP124 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 SP124** to the concrete mix.

DOSAGE

The guidance dosage of **REC PLAST SP124** 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 SP124** to meet the performance requirements by using the materials and conditions in actual use.

EFFECT OF OVER DOSE

Severe over dose of **REC PLAST SP124** will result in the following:

- Delay in setting.
- Increase in air content.
- Higher workability.

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

COMPATIBILITY

REC PLAST SP124 can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC PLAST SP124** 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 SP124**, they must be dispensed separately. Please consult the company's Technical Department for advice.

DISPENSING

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

PACKAGING

REC PLAST SP124 can be supplied in pails, drums and tanks.

STORAGE

Up to 2 years when stored in accordance with manufacturer's instructions.

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. 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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RECKON CHEMICALS PRIVATE LIMITED
Plot # 6 Km off Manga Road, Glamour Stop,
Opp. Sundar Industrial Estate, Lahore.
Tell: +92-42-35395224-225
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

