

REC NAPHTHAPLAST N84

High Range Superplasticizing Admixture for Fluid Concrete

DESCRIPTION

REC NAPHTHAPLAST N84 is a chloride-free, high-range naphthalene-based super plasticizer, specially formulated for high strength concrete. **REC NAPHTHAPLAST N84** secures a powerful deflocculating and dispersing action of cement which facilitates the production of fluid, self-consolidating concrete without segregation.

PROPERTIES

REC NAPHTHAPLAST N84 produces concrete of similar workability with 20-25% less water. Further, it:

- Increases concrete cohesion.
- Increases compressive, tensile, and flexural strengths.
- Produces flowable and self-consolidating concrete.
- High strength, especially at low W/C, can significantly increase mold utilization in precast works.

SCOPE OF USE

REC NAPHTHAPLAST N84 is recommended for all cement types, in the following areas:

- Heavily reinforced concrete works.
- Paving and industrial floor.
- Ready-mix concrete.
- Precast concrete elements.
- Concrete placement at low temperatures.
- All concrete requiring fluid consistency.
- Concrete with low W/C.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.200 ± 0.01
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 2.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC Naphthaplast N84 complies with ASTM C 494 – Type D & G, BS 5075 Part 1, BS EN 934.

INSTRUCTIONS FOR USE

REC Naphthaplast N84 is totally miscible in water. It can be added to the concrete just before casting.

Mix with concrete for at least 2 minutes before casting.

DOSAGE

Trials should be conducted to determine the optimum dosage of **REC Naphthaplast N84** for a particular mixture. A dosage of 0.4-2.5% per 100 kg of cementitious material is recommended. Further the required dosage for a specific job with controlled delay in setting and workability should be determined by in-situ trials.

EFFECT OF OVER DOSE

Severe over dose of **REC Naphthaplast N84** will result in the following:

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

COMPATIBILITY

REC Naphthaplast N84 can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC Naphthaplast N84** 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 Naphthaplast N84**, 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 Naphthaplast N84 can be supplied in 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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