

REC NAPHTHAPLAST N81

High-Range Water Reducing/Retarding /Superplasticizing Admixture

DESCRIPTION

REC NAPHTHAPLAST N81 is designed as a multi-purpose superplasticizer. It can be used for moderate to low w/c concrete. This special formulation enables REC NAPHTHAPLAST N81 to retain concrete workability for a longer time. It can maintain good mix appearance without segregation or bleeding.

PROPERTIES

- High workability produced is recommended for congested reinforced structures.
- Extended setting times allow effective hot weather concreting.
- Allows quicker consolidation.
- Improves surface appearance.
- No segregation at higher dosages.
- Improves pumpability.
- Can be used to gain economy due to possible cement reduction.

SCOPE OF USE

REC NAPHTHAPLAST N81 is used to ensure that plastic concrete remains workable for more than 1 hour at high temperature. Ideal for construction of dams, locks, road works, architectonic concrete, light or heavy prefabrication, ready-mix concrete, and pumped concrete.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.045± 0.01
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 3.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC Naphthaplast N81 complies with ASTM C 494 Types D & G, BS EN 934-2 and BS 5075.

INSTRUCTIONS FOR USE

REC Naphthaplast N81 is totally miscible in water. It is to be added to the concrete mix during the mixing cycle at the same time as the mixing water. No extension to normal mixing time is necessary.

DOSAGE

Trials should be conducted to determine the optimum dosage of REC Naphthaplast N81 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 N81 will result in the following:

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

COMPATIBILITY

REC Naphthaplast N81 can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC Naphthaplast N81** 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 N81**, 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 N81 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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