

REC NAPHTHAPLAST N119

HIGH RANGE WATER REDUCING / SUPERPLASTICIZING ADMIXTURE

DESCRIPTION

REC NAPHTHAPLAST N119 is formulated from synthetic polymers and designed as a multi-purpose naphthalene based super plasticizer. This special formulation enables **REC NAPHTHAPLAST N119** to retain concrete workability for a longer time at low w/c and for hot weather concreting. It can maintain good mixture appearance without segregation. At intentionally higher dosages, **REC NAPHTHAPLAST N119** has the effect of a set retarder.

PROPERTIES

REC NAPHTHAPLAST N119:

- Increases concrete cohesion.
- Enhances compressive, tensile, and flexural strengths.
- The high workability produced is recommended for congested reinforced structures.
- Extended setting times allow effective hot weather concreting.
- Allows quicker consolidation.
- Improves surface appearance.
- Improves pumpability.

SCOPE OF USE

REC NAPHTHAPLAST N119 is formulated to ensure that rheoplastic concrete remains workable for more than 1 hour at high temperatures. 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	1.22 ± 0.03
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 2.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC NAPHTHAPLAST N119 complies with ASTM C 494 Type D & G, ASTM C1017 & BS 5075.

INSTRUCTIONS FOR USE

REC NAPHTHAPLAST N119 is totally miscible in water. No extension to the batching time is necessary. Do not add to dry cement. **REC NAPHTHAPLAST N119** can be used on site to produce fluid concrete to a required workability. Make sure that the concrete is agitated for not less than 2 minutes at 15 - 20 rpm before casting. For high early strength of concrete, use a lower w/c and a higher **REC NAPHTHAPLAST N119** dosage.

DOSAGE

Trials should be conducted to determine the optimum dosage of **REC NAPHTHAPLAST N119** for a particular mixture. A dosage of 0.4-2.6% per 100 kg of cementitious material is recommended. Further the required dosage for a specific site with controlled delay in setting and workability should be determined by in-situ trials. Addition to any dry concrete mix is not recommended.

EFFECT OF OVER DOSE

Severe over dose of **REC NAPHTHAPLAST N119** will result in the following:

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

COMPATIBILITY

REC NAPHTHAPLAST N119 is compatible with all types of Portland cement, class C and F fly ash, silica fume, ground granulated blast furnace slag, fibers and approved air entraining, accelerating, retarding, and high-range water-reducing admixtures. **REC NAPHTHAPLAST N119** can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC NAPHTHAPLAST N119** 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 N119**, 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 N119 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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