

REC NAPHTHAPLAST N79

High Performance Water Reducing Admixture

Description

REC NAPHTHAPLAST N79 is formulated from synthetic polymers and designed as a multi-purpose superplasticizer. This special formulation enables **REC NAPHTHAPLAST N79** to retain concrete workability for a longer time at low w/c at during hot weather concreting. It can maintain good mixture appearance without segregation or bleeding.

PROPERTIES

- Increases concrete cohesion.
- Increases compressive, tensile and flexural strengths.
- Produces flowable concrete.
- Can be used to gain economies due to a possible cement reduction.

SCOPE OF USE

REC NAPHTHAPLAST N79 is used to optimize the dosage of cement and to maintain the workability. It is recommended for use with all types of cements, in the following areas:

- Ready-mix concrete
- Prestressed concrete
- incubated concrete
- Paving and industrial floors
- Fluid concrete, in particular when there is a desire to maintain fluidity over time
- High mechanical strength concrete.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.135 ± 0.02
Chloride content	Nil (BS 5075)
Air Entrainment	Less than 2% additional air is entrained.

APPLICABLE STANDARDS:

REC NAPHTHAPLAST N79 complies with ASTM C 494 – G.

INSTRUCTIONS FOR USE

REC Naphthaplast N79 is totally miscible in water. No extension to the batching time is necessary. Do not add to dry cement. **REC Naphthaplast N79** 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.

DOSAGE

Trials should be conducted to determine the optimum dosage of **REC Naphthaplast N79** 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 N79** will result in the following:

- Delay in initial and final setting Concrete Mix.
- Very increase in air entrainment.
- Higher workability.
- Impair consistency & cohesion
- Higher Ultimate strength when curing practices are implemented as per ACI 308R.

COMPATIBILITY

REC Naphthaplast N79 can be used in all types of Portland and sulfate-resisting cements, including those containing supplementary cementitious materials. **REC Naphthaplast N79** 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 N79** they must be dispensed separately. 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 N79 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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