

REC NAPHTHAPLAST N82

High-Range Water Reducing/Retarding /Superplasticizing Admixture

DESCRIPTION

REC NAPHTHAPLAST N82 is high range water reducing admixture ideal for hot weather conditions. Due to the capabilities of its special chemical nature, **REC NAPHTHAPLAST N82** can provide high fluidity with remarkable workability retention. It can be used for moderate to low w/c concrete. This special formulation enables **REC NAPHTHAPLAST N82** to retain concrete workability for a longer time. It can maintain good mix appearance without segregation or bleeding.

PROPERTIES

REC NAPHTHAPLAST N82 is designed for the production of plastic concrete in the following areas.

- Ready-mix concrete.
- Heavily reinforced concrete works.
- Incubated concrete.
- Paving and industrial floors.
- Highly flowable concrete.
- Pumped concrete.
- Casting in hot climate.

SCOPE OF USE

REC NAPHTHAPLAST N82 is to ensure that rheoplastic concrete remains workable for more than 2 hours at high temperatures. Ideal for Dams, locks, road works, architectonic concrete, light or heavy prefabrication, ready-mixed, pumped concrete and piling.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.220 ± 0.01
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 2.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC Naphthaplast N82 complies with ASTM C 494 Types D & G, BS EN 934-2 and BS 5075.

INSTRUCTIONS FOR USE

REC Naphthaplast N82 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 N82** 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 N82** will result in the following:

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

COMPATIBILITY

REC Naphthaplast N82 can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC Naphthaplast N82** 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 N82**, 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 N82 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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