

REC NEPHTHAPLAST 125

WATER-REDUCING AND RETARDING SUPERPLASTICIZER

PRODUCT

Rec Nephthaplast 125 is composed of a modified naphthalene- and lignosulfonate- based polymer. Rec Nephthaplast 125 is a concrete superplasticizer that enables the increase in concrete fluidity over extended period of time without mitigating homogeneity and resistance to segregation.

PROPERTIES

Rec Nephthaplast 125 acts simultaneously on the following:

- Dispersing of fine particles
- Cohesion of fresh concrete
- Setting of concrete

When using dosage lower than those necessary for fluidification, Rec Nephthaplast 125 enables preparation of flowable concrete with attractive surface appearance and high mechanical properties. Concrete made with Rec Nephthaplast 125 can be proportioned with lower cement content per m³.

SCOPE OF USE

Rec Nephthaplast 125 is recommended for all cement types in the following areas:

- Ready to use concrete
- Heavily reinforced concrete works
- Incubated concrete
- Paving and industrial floors
- Pumped concrete
- Fluid concrete for long slump retention.

CHARACTERISTICS

Appearance	Brown liquid.
Specific gravity	1.091 ± 0.015

APPLICABLE STANDARD

Applicable standard: ASTM 494 C Type G, D

INSTRUCTIONS FOR USE

Rec Nephthaplast 125 is totally miscible in water.

Rec Nephthaplast 125 is introduced into the mixer at the same time as the mixing water, when a constant plasticity is required.

DOSAGE RATES

Range of dosing rates: from 0.3 to 1.4 kg/100 kg of cement.

SPECIAL ADVICE

COMPOSITION OF CONCRETE

The composition of the concrete before being plasticized must be established with care. The grain size of aggregates must include a proportion of fine elements, comparable to those of pumped concrete.

MAINTENANCE OF FLUIDITY

The delay during which the plasticized concrete remains fluid is variable according to the temperature, to the original consistency of concrete, to the nature and to the dosage of cement, etc.

Rec Nephthaplast 125 allows prolonged fluidity retention, which is proportional to the dosage of the admixture. Previous in-situ trials will allow the determination of the optimal dosage of Rec Nephthaplast 125.

PACKAGING

Rec Nephthaplast 125 is supplied in: Bulk 200 and 25 lit. drums

STORAGE

Rec Nephthaplast 125 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

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, and that this Data Sheet version is the latest one. The company may modify it without



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prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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