

REC NAPHTHAPLAST N106

HIGH RANGE WATER REDUCING / SUPERPLASTICIZING ADMIXTURE FOR FLUID CONCRETE

DESCRIPTION

REC NAPHTHAPLAST N106 is a chloride- free, high- range superplasticizer based on synthetic polymers that has a strong dispersing power over the fine particles of concrete, thus allowing the concrete to achieve higher mechanical properties. **REC NAPHTHAPLAST N106** secures a powerful deflocculating and dispersing action of cement, which facilitates the production of fluid and high flow ability concrete without segregation.

Properties

REC NAPHTHAPLAST N106 produces concrete of similar workability up to 40% less water.

- Increases concrete cohesion.
- Increases compressive, tensile, and flexural strengths.
- Produces flowable concrete.
- High strength, especially at low W/C, can be significantly increased.
- High workability-ease of placing and compaction without segregation.
- Good adhesion - ease of pumping.
- Good workability - excellent surface appearance.
- Minimal bleed water - excellent concrete quality .

SCOPE OF USE

REC NAPHTHAPLAST N106 is recommended to all types of cement in following areas:

- Heavily reinforced concrete works.
- Paving and industrial floor.
- Slipform concrete.
- Ready mixed concrete.
- All concrete requiring a fluid consistency.
- Concrete with low W/C.
- Precast concrete.
- Works well with silica fume, fly ash and slag cementitious replacement.
- Structures with close reinforcement where vibratory efforts are ineffective.
- Improvement of concrete workability on site.

Technical Information

Appearance	Liquid
Color	Brown
Specific gravity at 25°C	1.25 ± 0.03
Chloride content	Nil (BS 5075)
Air Entrainment	Up to 2.0% depending on dosage rate and concrete proportioning.

APPLICABLE STANDARDS:

REC NAPHTHAPLAST N106 complies with ASTM C 494 Type D & G ASTM C1017 & BS 5075.

INSTRUCTIONS FOR USE

REC NAPHTHAPLAST N106 No extension to the batching time is necessary. Do not add to dry cement. **REC NAPHTHAPLAST N106** 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 N106** dosage.

DOSAGE

Trials should be conducted to determine the optimum dosage of **REC Naphthaplast N106** 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 N106** will result in the following:

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

COMPATIBILITY

REC Naphthaplast N106 can be used in all types of Portland cement, sulfate resisting cement and cementitious materials. **REC Naphthaplast N106** 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 N106**, 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 N106 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.

NOTE

The information included on this Technical Data Sheet is the sole property of Reckon Chemicals Pvt Ltd, Lahore. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.

WARRANTY: The Reckon Chemicals (Pvt) Ltd. (Reckon) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Reckon, no other representations or statements made by Reckon or its representatives, in writing or orally, shall alter this warranty. Reckon MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Reckon product fails to conform with this warranty, Reckon will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Reckon does not authorize anyone on its behalf to make any written or oral statements which in any way alter Reckon's installation information or instructions in its product literature or on its packaging labels. Any installation of Reckon products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Reckon's products for the Buyer's intended purposes.

RECKON CHEMICALS PRIVATE LIMITED
Plot # 6 Km off Manga Road, Glamour Stop,
Opp. Sundar Industrial Estate, Lahore.
Tell: +92-42-35395224-225
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

