

HYPER-PLASTICISER N

High range PCE super plasticiser

DESCRIPTION

ROCKBOND HYPER-PLASTICISER N (RB 6.16N) is a new generation very high range super plasticiser based on Polycarboxylate Ether (PCE). Its high efficiency at low dosages makes it a very cost-effective means of improving flowability and achieving high early strengths in ready mix and precast concrete. Can be used to produce self-compacting concrete.

SPECIAL PROPERTIES

- Allows water reduction of greater than 30% in concrete mixes resulting in higher early strengths.
- Increases the workability and flowability of concrete without the addition of extra water.
- Produces denser stronger concrete.
- Produces self-compacting concrete.

USES

- For the production of self-compacting concrete mixes used by the precast industry.
- For the placing of concrete where steel congestion is a problem.
- To achieve maximum flowability in narrow vertical pours in the manufacture of concrete tanks.
- Eliminate the need to heat cure.
- To help in the workability of fibre reinforced concrete.
- Improve the surface appearance of the concrete.
- To improve the working time of concrete yet still achieve high early strengths.

PACKAGING AND SIZE

RB 6.16N HYPER-PLASTICISER N is available in 20 Litre non-refundable plastic containers, in 200 Litre non-refundable steel drums and in 1000lt returnable pods.

MIXING INSTRUCTIONS

AGITATE WELL BEFORE USE

RB 6.16N HYPER-PLASTICISER N is compatible with most other commonly available admixtures. Take care to add admixtures separately and watch for any unexpected changes. Where possible a trial batch is recommended.

ADDING AT BATCHING PLANT

RB 6.16N HYPER-PLASTICISER N should be added to the mixing water prior to mixing and mixed until totally dispersed through mix. (Approximately 5 minutes for 5 cubic metre capacity truck). Record effect of time on slump and use to plan delivery schedule.

ADDING TO READY MIX TRUCK

RB 6.16N HYPER-PLASTICISER N should be added to the concrete via the feed hopper at the rear of the truck and mixed at maximum speed for a further 5 minutes

DOSAGES

When used to produce water reduced high early strength concrete, the dosage rate range for RB 6.16N HYPER-PLASTICISER N is generally between 200–600ml per 100kg cement, but is dependent on the type of

cement, ambient temperature and the desired result. It is recommended that on site trials should be carried out to achieve optimum dosage rates.

When used to produce Self Compacting Concrete (SSC) RB 6.16N HYPER-PLASTICISER N will need to be added at the higher end of the range. Full Self Compacting Concrete may not be achieved to a dose rate of 0.6% or just over by weight of cement. However start at a dosage of below this and work up to the amount required in small increments. Record dosage required for each mix design for future use.

IMPORTANT NOTE:

DO NOT overdose RB 6.16N HYPER-PLASTICISER N. Trial dosage by adding lower amount in the range suggested and increase only if necessary, to achieve desired result. Make sure plasticiser is thoroughly mixed into batch and change in slump is checked before adding further increments.
An excessive amount of the super plasticiser can cause segregation of the mix.

RB 6.16N HYPER-PLASTICISER N is effective at a low dose rate and substantially less is used than previous types of super plasticisers.

HEALTH AND SAFETY

Rockbond Special Concrete Products are generally quite harmless, provided normal precautions are taken when handling chemicals.

Avoid contact with food stuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention.

TECHNICAL DATA

COLOUR:	Light brown cloudy liquid
SPECIFIC GRAVITY:	Approx 1.03 kg/litre @ 20°C
FLASH POINT:	Non Flammable
TOXICITY:	Non Toxic
DG CLASSIFICATION:	Non Hazardous
CHLORIDE CONTENT:	No added chlorides
SHELF LIFE:	2 years in unopened containers

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team:

CONTACT DETAILS

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