

TECHNICAL DATA SHEET

SUPER-PLASTICISER

Mid to high range superplasticiser for concrete

DESCRIPTION

Rockbond Super-Plasticiser (RB 6.15) is a mid to high range liquid superplasticiser which has been specially formulated to achieve a major increase in workability, and at the same time water reduction for grouts and concrete.





SPECIAL PROPERTIES

- Allows water reduction of 25 – 30% in concrete mixes resulting in higher strengths.
- Produces high workability flowing concrete.
- Accelerates high early strengths providing an alternative to using an accelerator or heat cure.
- Allows for moulds or formwork to be removed earlier.
- Contains no deleterious substances.
- Produces fluid grouts and free flowing concrete mixes with very low water content.

USES

- To maintain the workability of concrete in hot dry conditions.
- Allows substantial improvement on flowability of concrete with out increasing water content.
- Ideal for the effective filling of columns, narrow components and where reinforcing hinders flow.
- Used in the manufacture of concrete tanks and troughs etc.
- Imparts necessary flowability to grouts used in deeply drilled holes for anchoring purposes.

PACKAGING AND SIZE

20 Litre and 200 Litre non-refundable containers and bulk deliveries. Rockbond can provide dispensing equipment for large users wishing to enter into a supply contract.

DOSAGES

When used to produce water reduced high early strength concrete, the dosage rate range for Rockbond Super-plasticiser (RB 6.15) is generally between 600ml -2 litres 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. As a guide 1.6 litre per 100kg of cement should enable approx 25% water reduction.

When used to produce flowing concrete between 600ml – 1 litre per 100kg of cement is normally needed to produce flowing concrete from concrete with a slump in the range of 60mm to 100mm. When Super-Plasticiser (RB 6.15) is used to produce flowing concrete, it is essential that the concrete mix design allows for an increase in workability by increasing the fines content or varying the sand grading.

MIXING INSTRUCTIONS

To obtain the full benefit for Super-Plasticiser (RB 6.15) it should be added to the mixing cycle just prior to discharge and mixed at full speed for at least 2 minutes.

In the case of Ready-Mixed Concrete, it shall be added to the concrete via the feed hopper at the rear of the truck a few minutes before placing and mixed for a further 2 minutes after all the Super-Plasticiser (RB 6.15) is in the mixing drum. **AGITATE WELL BEFORE USE.**

IMPORTANT NOTE

Rockbond Superplasticiser (RB 6.15) is always added to the mix immediately prior to placing of the concrete as the Superplasticising effect is of limited duration. If for some unforeseen reason placing is delayed after it has been added to the mix, the concrete can be re-dosed. This will be necessary if the delay is 45 minutes or more as by then the effect will have worn off.

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:	Dark brown liquid
SPECIFIC GRAVITY:	Approx 1.20 kg/litre @ 20c
FLASH POINT:	Non-Flammable
TOXICITY:	Non-Toxic
DG CLASSIFICATION:	Non Hazardous
CHLORIDE CONTENT:	Nil
SHELF LIFE:	2 years in unopened containers

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our **Technical Sales Team: +64 4 568 5401**