

TECHNICAL DATA SHEET

WATER REDUCER

Water reducing concrete admixture

DESCRIPTION

Rockbond Water Reducer (RB6.13) is a mid range liquid plasticiser which has been specially formulated to improve workability and at the same time allow a reduction in the total water content for grouts and concrete.





SPECIAL PROPERTIES

- Mix designs that incorporate RB 6.13 can save cost through cement reduction.
- Using RB 6.13 means you can reduce the batching water without loss of workability
- Improves the overall characteristics of the concrete in areas where aggregate is problematic.
- Improves the surface finish of the concrete.
- Increased strength and resilience of the concrete.
- Reduces long term shrinkage & creep.
- Contains no deleterious substances.
- Extends workability in hot weather.

USES

- To decrease the water content of cementitious materials.
- To maximise ultimate tensile, compressive and mechanical strengths.
- To produce chemically resistant, durable grouts and concrete.
- For increasing workability when concreting in hot weather.
- For use in pre-stressed concrete
- For use in pre-cast concrete manufacture.
- For use in the manufacture of concrete pipes and water tanks etc.

PACKAGING AND SIZE

20 Litre containers, 200lt drums and 1000lt IBC's. Rockbond SCP supplies dispensing equipment for ready-mix and self-batching plants as well.

DOSAGES

The dosage rate range of Rockbond Water Reducer (RB 6.13) is generally between 275ml-575ml per 100kg of cement, however on-site trials should be carried out to ascertain the optimum dosage rate in any particular application. Batch water reduction is typically around 10%. Where Rockbond Water Reducer (RB 6.13) is being used to extend workability during hot weather concreting, a dosage rate of between 400ml & 500ml per 100kg of cement is applicable. Under high temperature weather conditions, by increasing the dosage of Rockbond Water Reducer (RB 6.13) the concrete being poured remains workable for a significantly longer time, enabling placing, compacting and floating to be carried out within a realistic time scale. Over dosing could result in longer setting times than are wanted.

MIXING INSTRUCTIONS

Rockbond Water Reducer (RB6.13) is to be added directly to the batching water or can be added to the concrete mix during the mixing cycle at the same time as the water but never before. Mixing time does not have to be extended beyond what is normal. **AGITATE WELL BEFORE USE.**

SPECIFICATION

Meets the physical requirements of NZS 3113

HEALTH AND SAFETY

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

Avoid contact with foodstuffs 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:	Very Dark Brown
SPECIFIC GRAVITY:	Approx 1.20kg/ltr @ 20°C
CHLORIDE CONTENT:	NIL
FLASH POINT:	Non-Flammable
TOXICITY:	Non-Toxic
DG CLASSIFICATION:	Non-Hazardous
SHELF LIFE:	2 years in unopened original containers
COMPATABILITY WITH OTHER RB ADMIXTURES:	Yes

TECHNICAL INFORMATION

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

ONLINE SUPPORT www.rockbond.co.nz | **FREEPHONE** 0800 76 25 26 | **EMAIL** sales@rockbond.co.nz

Rockbond SCP Ltd provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liabilities can be accepted for any damage or loss arising from the use of Rockbond SCP Ltd literature or its products, because Rockbond SCP Ltd has no continuous control on how the materials are mixed, placed or cured.

ROCKBOND
MAKING CONCRETE STRONGER