

TECHNICAL DATA SHEET

CONCRETE RETARDER

Liquid Retarding Admixture for Concrete and Grout

DESCRIPTION

Rockbond Concrete Retarder (RB6.18) is a water-soluble chemical admixture which temporarily delays the initial set of concrete and grout, but has no detrimental effect on the overall end result of the mix. RB6.18 is used in concrete and grout mixes where longer setting times are required, such as; large pours, remote sites, higher temperatures, pile & anchor grouting, etc. The product is supplied in 20lt containers, 200lts drums or 1000lt IBC's.





SPECIAL PROPERTIES

- Some water reduction may occur be possible.
- Controlled extension of setting times.
- Reduces the possibility of cold joints.
- Reduces the risk of wasted concrete due to project or transport delays.
- Permits a longer initial workability period.
- Overdosing will not affect long-term strength developments.

USES

- Concreting in hot weather when the normal setting time is shortened by higher temperatures.
- Onsite delays - can be added to the mix at site.
- Long distance travel between the plant and the site.
- Preventing the formation of cold joints during large pours.
- Anchor grouting & pile grouting applications that require delayed set times.
- Sprayed Concrete in remote areas.

PACKAGING AND SIZE

20 litre, 200 litre and 1000 litre non-refundable containers. Rockbond can arrange dispensing equipment for large users wishing to enter into a supply contract.

DOSAGES

0.1% - 0.5%/100kg cement (100ml – 500ml/100kg cement)

At 20°C, a 0.5% dosage will increase your workability time significantly.

At 20°C workability time without a Retarder is approx 3 hours, but with 0.3% dosage of Retarder (RB 6.18) is increased to approx 6 hours.

SPECIFICATION

Conforms to the requirements of BS 5075: Part 1 and ASTM C 494, Type B for Retarding Admixtures.

IMPORTANT NOTE

To obtain consistent results, the Retarder should be added to the gauging water. A delay in the addition of the retarder to the concrete mix increases the degree of retardation obtained and may led to poor dispersion.

As with all cementitious materials containing Rockbond Concrete Additives, protection from water evaporation during early-age curing is very critical. That is why we recommend using Rockbond Curing Materials. Refer Rockbond Slabcure (7.10) and Rockbond Membrane Cure (7.11). Overdosing does not affect the long-term strength development.

Early compressive strength is reduced but after 2-3 days the strength will be approximately the same as the equivalent plain concrete mix.

HEALTH AND SAFETY

Rockbond Special Concrete 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

STRUCTURE:	Phosphate based liquid.
SPECIFIC GRAVITY:	1.12
FLASH POINT:	Non-Flammable
VISCOSITY:	Non-Toxic
DG CLASSIFICATION:	Non Hazardous
STORAGE	(75°F)
SHELF LIFE:	1 year when stored between 5°C & 40°C

TECHNICAL INFORMATION

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