

PRODUCT DATA SHEET

Sikament[®] RB 600

(formerly MasterRheobuild[®] 600)

High range water-reducing admixture in liquid form for workability retaining superplasticised concrete

DESCRIPTION

Sikament RB 600 is a ready-to-use, high range water-reducing admixture designed to produce high slump concrete with workability retaining properties. The product is chloride

USES

- Use in concrete where delayed setting and extended workability are desired.
- Mass-concrete pours.
- Ready-mixed concrete.
- Long distance transportation of concrete.
- Pumped concrete.
- Hot weather concreting.

FEATURES

- Superplasticising effect in high slump applications.
- Dramatic reduction in water requirement at equal slump.
- Improved workability at equal water content compared to a non-treated mix.
- Excellent slump retention.
- Reduced cracking.
- Reduced permeability.
- Increased durability.
- Increased compressive and flexural

PRODUCT INFORMATION

Composition	Modified lignosulfonates
Packaging	1000 L flowbin or bulk supply in tanker
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Mix well before using.

Colour	Dark Brown
Density	1.18 +/- 0.01
pH-Value	7.5 +/- 1
Concreting guidance	The standard rules of good concreting practice for production and placing must be observed when using Sikament® RB 600 in concrete. Refer to relevant standards. Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Antisol® products as a curing agent or apply wet hessian.
Compatibility	Sikament® RB 600 is suitable for mixes containing all types of cement and supplementary cementitious materials such as: Microsilica (Silica Fume), Fly Ash (PFA), GGBS (ground granulated blast furnace slag) and the following Sika products: SikaPump®, Sika®FerroGard®, SikaFume®, SikaFiber®, Sika® Aer, Sika® Stabilizer, SikaControl® We recommend to perform trial mixes to establish the required performance when combining Sikament® RB 600 with the above products or other admixtures. Please consult our Sika Technical Department.
Recommended dosage	Sikament RB 600 can be used at a rate of 0.5-1.5 litre/100kg of cement. Other dosages may also be used depending on the specific working conditions.
Dispensing	Sikament RB 600 is introduced into the mixer together with the mixing water. The plasticising effect or water reduction is higher if the admixture is added to the damp concrete after 50-70% of the water has been added. The addition of Sikament RB 600 to dry aggregate or cement is not recommended, as it lowers the plasticising effect and water reduction capacity.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

LEGAL NOTES

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