BUILDING TRUST

PRODUCT DATA SHEET

Sikament® RB 858 PK

(formerly MasterRheobuild® 858)

High range, water reducing superplasticizer for rheoplastic concretes

DESCRIPTION

Sikament® RB 858 PK is formulated from synthetic polymers specially designed to impart rheoplastic qualities to concrete.
A rheoplastic concrete is a fluid concrete with a slump of at least 200 mm, easily flowing, but at the same time free from segregation and having the same water/cement ratio as that of a low slump concrete (25mm) without admixture. Sikament® RB 858 PK is chloride free.

USES

Primary Uses
- Microslica concrete
- Mass Concrete
- Ready Mix Concrete
- Long-distance Concrete
- Pumped concrete
- Casting in hot climate

To Obtain
- Reduced thermal peaks
- High workability for longer periods
- Lower pumping pressure
- Delayed setting for longer workability
- Higher ultimate strength
- Reduce permeability
- Improved durability

CHARACTERISTICS / ADVANTAGES

Sikament® RB 858 PK considerably improves the properties of fresh and hardened concret.

APPROVALS / STANDARDS

- EN 934-2 Tables 3.1, 3.2, 11.1 and 11.2
- ASTM C-494 Type A, B, D, F and G

PRODUCT INFORMATION

Packaging	Sikament® RB 858 PK is available in bulk or in 250 Kg drum.
Shelf Life	12 months minimum from the date of production
Storage Conditions	Sikament® RB 858 PK must be stored where temperatures do not drop below +5°C. If product has frozen thaw and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Appearance / Colour	Dark Brown Liquid
Specific gravity	1.200 – 1.400 at 25°C
Total Chloride Ion Content	Chloride-free to EN 934-2

APPLICATION INFORMATION

Recommended Dosage	Optimum dosage of Sikament® RB 858 PK should be determined in trial mixes. As a guide the following dosages are recommended as starting point for any trial. In normal concrete a dosage of between 0.8 to 2.0 liters per 100kg cementitious material. In high performance micro silica concrete a dosage of between 1.5 to 2.5 litres per 100kg cementitious material. Dependent upon mix requirement, it is possible to use a higher dosage of Sikament® RB 858 PK without causing any adverse effects upon the concrete.
Dispensing	Sikament® RB 858 PK is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticizing effect and water reduction are higher if the admixture is added to the concrete after 50 to 70% of the mixing water has been added. The addition of Sikament® RB 858 PK to dry aggregate or cement is not recommended.
Compatibility	Sikament® RB 858 PK is compatible with all cement and most air-entraining agents meeting the ASTM standards. The addition of Sikament® RB 858 PK and Sika AER® (air entraining agent) to concrete is recommended where it is required to withstand freezing and thawing cycle.

BASIS OF PRODUCT DATA

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

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

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