

PRODUCT DATA SHEET

Sikament® RB 1073

POWDER SUPERPLASTICIZER

DESCRIPTION

Sikament® RB 1073 is powder superplasticizer, with naphthalene sulfonate formaldehyde condensate based. It has strong dispersion effect on cement particles and good use effect of preparing super flow-ing concrete as well as cast-in-situ concrete and precast members with early strength and high strength requirements, can comprehensively improve various properties of the concrete, and is widely ap-plied to highways, bridges, dams, harbors, tunnels, electric power, water conservancy as well as industrial and civil architecture, steam-cured and naturally-cured precast members.

USES

- All types of concrete mixes in which high early strength or high strength and high flowability are es-sential.
- Ready pack concrete.
- Ready pack mortar.
- Concrete industry.

FEATURES

- Reduce 10 to 25 percent of cement content when the strength and the slump of the concrete are basic-ally same.
- When the water cement ratio is constant, it im-proves the initial slump of the concrete by more than 10 cm, and the water-reducing rate can reach 15 to 25 percent.
- Has remarkable early strength and strengthening ef-fects on the concrete.
- Improve the workability of the concrete and compre-hensively improve the physical and chemical proper-ties of the concrete.
- Adapt to various cements well, and is well compat-ible with other types of cements.
- Particularly applicable to the following concrete projects: high workability concrete, rheoplastic con-crete, steam-cured concrete, impermeable concrete, naturally-cured precast member concrete, reinfor-cing steel bars and prestressed reinforced concrete and high strength concrete.

PRODUCT INFORMATION

Composition	Sodium naphthalene sulfonate
Packaging	Bag 20 Kg Jumbo bag 650 Kg
Appearance and colour	Powder and Brown
Shelf life	12 months from date of production if stored properly in undamaged, un-opened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10 °C and +35 °C. Pro- tect from direct sunlight and frost.

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice, concerning production and placing, are to be followed.
Laboratory trials before concreting on site are strongly recommended when using a new mix design or producing new concrete components.
Fresh concrete must be cured properly and as early as possible.

APPLICATION INFORMATION

Recommended dosage

0.2 – 1.0% by weight of cementitious.
Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.

Compatibility

Sikament® RB 1073 may be combined with the following products:
Sika® Plastocrete series
Sika® Plastiment series
Sika® Fume
SikaFibre®
Do not use sikament series combined with viscocrete/viscoflow series.
Pre-trials are recommended and mandatory if combinations with the above products are required.
Please consult to our Technical Service Department.

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

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.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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