

PRODUCT DATA SHEET

Sika® Plastiment® R 168

(formerly MasterPozzolith® R 168)

WATER REDUCING AND SET RETARDING

DESCRIPTION

Sika® Plastiment® R 168 is a ready to use, liquid admixture for producing more uniform and predictable quality concrete. It reduces the quantity of mixing water to produce concrete of a given consistency, with greater economy, for a given strength.

The use of Sika® Plastiment® R 168 with concrete increases cohesion and reduces segregation. Placing and finishing characteristics are improved because this admixture also retards setting time.

Sika® Plastiment® R 168 admixture will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain intentionally added calcium chloride or chloride-based ingredients.

USES

Sika® Plastiment® R 168 is recommended for use in all types of concrete where retardation of set and improved performance is desired eg. plain, reinforced, precast or prestressed concrete especially when placing by pump and enhanced finishing is desired. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

PRODUCT INFORMATION

Packaging	205 L drum
Shelf Life	12 months
Storage Conditions	Stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® R 168 used at optimum dose modifies the performance of concrete to provide the following:

IN THE PLASTIC CONCRETE

- Reduced water content for a given workability
- Superior slump retention
- Controlled retardation – depending on the dose rate
- Improved workability, greater pumpability
- Reduced segregation

IN THE HARDENED CONCRETE

- Better finished appearance
- Increased strength
- Greater durability

APPLICATION INFORMATION

Recommended Dosage

Sika® Plastiment® R 168 is normally used at a dosage rate of 300 – 500ml/100kg of cementitious material. Other dosages may also be used depending on the specific work conditions. Setting time is influenced by the chemical and physical composition of the basic ingredients of the concrete, temperature of the concrete and climatic conditions. Trial mix should be carried out with actual jobsite materials to determine the optimum dosage required for a specific setting time and given strength.

Dispensing

Sika® Plastiment® R 168 can be added into the mixing water or can be added to the wet concrete after the mixing water have been added. The addition of Sika® Plastiment® R 168 to a dry concrete mix is not recommended. A separate dispenser or feed line must be used.

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

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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