

PRODUCT DATA SHEET

Sika® Plastiment® R 148

WATER REDUCING AND SET RETARDING

DESCRIPTION

Sika® Plastiment® R 148 is a liquid admixture based on modified lignosulphonates and synthetic materials.

The admixture delays the initial hydration of cement thus retarding setting times and extending workability. However, the hardening process is not substantially modified, so that an increase in strength is obtained in proportion to the reduction in mixing water.

The addition of Sika® Plastiment® R 148 increase concrete workability without decreasing concrete strength.

The use of Sika® Plastiment® R 148 with concrete increases cohesion and considerably reduces segregation.

USES

Sika® Plastiment® R 148 is compatible with the following:

- All types of concrete where retardation of set and improved performance are required.
- Improving pumped concrete and conventionally place concrete.
- Improving plain, reinforced, precast, prestressed, light weight or standard weight concrete.

CHARACTERISTICS / ADVANTAGES

- High workability at high temperature - Short placement time. Saves time and labour.
- High water reduction - High impermeability and strength. Improves durability
- Extended workability - Retardation of setting times without loss in strength
- Easy and rapid pumping operations - Higher ultimate strength and with better surface finish.

PRODUCT INFORMATION

Packaging	▪ 205 L drum ▪ Bulk delivery
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.

TECHNICAL INFORMATION

Specific Advice	The lowering of water/cement ratio reduces the porosity resulting in a more dense impermeable concrete. Thus, the ingress of aggressive agents can be reduced considerably thereby extending durability.
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APPLICATION INFORMATION

Consumption	Vary between 0.2 and 0.6 litres/100kg of cementitious material, depending on the specific working conditions.
Dispensing	Sika® Plastiment® R 148 is a ready-to-use liquid product. It is introduced into the mixer at the same time as the mixing water.

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.

Sika (Singapore) Pte Ltd.

28 Tuas South Ave 8
Singapore 637648
Phone: +65 6861 0632
Fax: +65 6862 3915
Email: sales@sg.sika.com
www.sika.com.sg



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