

PRODUCT DATA SHEET

Sika® Plastiment®-300 CMR

WATER-REDUCING AND RETARDING CONCRETE ADMIXTURE

DESCRIPTION

A liquid plasticizing admixture acts as a retarder on setting time for freshed concrete.
A water reduction can be achieved without loss of workability even in hot climate.

USES

Sika® Plastiment®-300 CMR is used where high quality concrete is required in difficult conditions, such as :

- Hot climate
- Long hauls
- Ready-mix concrete

and wherever high quality dense concrete is required.

CHARACTERISTICS / ADVANTAGES

Sika® Plastiment®-300 CMR provides the following properties:

- Increased setting times at elevated temperatures.
- Allows easier compaction leading to denser concrete and superior finish.
- Longlasting control of slump loss.
- Improved workability without increased water content.
- Reduced water without loss of workability.
- Increased strengths.
- Reduced shrinkage and creep.
- Improved watertightness.
- Chloride-free does not attack reinforcement.

APPROVALS / CERTIFICATES

Complies with ASTM. C-494 type B & D.

PRODUCT INFORMATION

Composition	Special Organic Agents
Packaging	200 L / 1,000 L
Appearance / Colour	Brown
Shelf life	12 months when unopened
Storage conditions	Store at protected area from direct sunshine at temperature between 5 and 40 degree celcius.
Specific Gravity	1.158 - 1.172 kg/l
pH-Value	4 - 6 (Approx.)
Recommended Dosage	200 - 500 CC per 100 kg of cement weight by weight of cement. Dosage recommend in normal condition is 200 - 500 CC per 100 kg. of cement weight or add more to longer set of concrete in difficult condition. Actual dosage rate required is dependent on : Effect sought; quality of cement and aggregates; W/C; Temperature. In many cases it is advisable to carry out trial mixes to establish the exact rate required. Sika® Plastiment®-300 CMR is compatible with all types of Portland cement

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including S.R.C.

Dispensing

Sika® Plastiment®-300 CMR should be dispensed directly into the mixing water prior to its addition to the aggregates. Accurate dispensing equipment is readily available from Sika.

IMPORTANT CONSIDERATIONS

Accidental overdosing of Sika® Plastiment®-300 CMR causes an extension of initial setting time. If this happens, consult supplier as soon as possible. Concrete shall be designed in accordance with ACI Standard Recommended Practice for Selecting Proportions of concrete (ACI 211. 1-89). The water reducing/set retarding admixture shall be Sika® Plastiment® - 300 CMR , as manufactured by Sika or proved equal and shall comply with BS 5075, Part 1 or ASTM C-494 type B & D. It shall be used in strict accordance with the manufacturer's recommendations.

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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

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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