

## Plastiment® -R2000

### Water Reducing and Retarding Concrete Admixture

**Product Description** A Liquid set retarding concrete admixture with a plasticizing effect. Substantial water reduction and improved waterproofing capability can be achieved without loss of workability.

It complies with ASTM C 494 Type A+B+D and BS 5075 Part I.

**Uses** Plastiment® -R2000 is recommended for:

- Workability especially where difficult placing conditions are encountered and to obtain dense concrete.
- A set retarding agent to maintain workability and extend the time allowed for pouring and compacting, particularly in hot weather. e.g. ready-mix concrete, pumped concrete, slip-forming concreting etc.
- Decreases the concrete permeability.

**Advantages** Plastiment® -R2000 provides the following properties:

- Increased setting times at elevated temperatures.
- Long lasting control of slump loss.
- Improved workability without increased water content.
- Reduced water without loss of workability.
- Increased strengths.
- Reduced shrinkage and creep.
- Improved surface finish.
- Improved water tightness
- Chloride free-does not attack reinforcement.

#### Technical Data

<b>Base</b>	Modified Lignosulphonate
<b>Appearance / Colour</b>	Brown Liquid
<b>Density (at 20°C)</b>	1.160 (ASTM C-494)
<b>Packaging</b>	5 and 20 kg pails 220 kg drums Bulk Tanks packing available upon request
<b>Storage Conditions</b>	Store in dry conditions, protected from direct sunlight and frost.
<b>Shelf Life</b>	12 months from date of production if stored properly in undamaged and unopened original sealed packing.

#### Application

**Dosage** 0.2 - 0.8 % by weight of cement. Above 0.5% preliminary tests are necessary.

Exact dosage rate required is dependant on effect sought, quality of cement & aggregates, water : cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes.



<b>Dispensing</b>	Plastiment® -R2000 is added to the mixing water or directly to the batch simultaneously with the mixing water prior to its addition to the aggregates.  Automatic and accurate dispensing equipment is available from Sika.
<b>Important Notes</b>	Plastiment® -R2000 is compatible with all types of Portland Cement including S.R.C.  When accidental overdosing occurs, this will have the effect of extending the setting time. During this period the concrete must be kept moist in order to prevent premature drying out..
<b>Safety Instructions</b>	
<b>Safety Precautions</b>	Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay.
<b>Ecology</b>	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.
<b>Transport</b>	Non-hazardous
<b>Toxicity</b>	Non-Toxic under the relevant health and safety codes.

**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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