

## PRODUCT DATA SHEET

# Sika® Plastiment® RD

PLASTIMENT -RD IS USED AS A POWERFUL CONCRETE PLASTICIZER AND RETARDER WHERE HIGH QUALITY CONCRETE IS REQUIRED IN DIFICULT CLIMATIC CONDITIONS.

### DESCRIPTION

Plastiment® -RD is used as a powerful concrete plasticizer and retarder where high quality concrete is required in difficult climatic conditions.

### USES

Plastiment® -RD is used in areas such as:

- High concrete temperatures.
- Fair faced concrete.
- Difficult placing conditions.
- Long transport distances.

### CHARACTERISTICS / ADVANTAGES

- Plastiment® -RD Provides the following properties:
- . Long-lasting control of slump loss at high concrete temperature.
  - . Increased setting time in hot weather.
  - . Accelerated hardening after setting.
  - . Reduced water without loss of workability.
  - . Increased strengths.
  - . Reduced shrinkage and creep.
  - . Better surface finish.
  - . Chloride free-does not attack reinforcement.

### APPROVALS / CERTIFICATES

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

### PRODUCT INFORMATION

<b>Composition</b>	Modified Lignosulphonate.
<b>Packaging</b>	5 and 20 kg pails 220 kg drums Bulk Tanks packing available upon request
<b>Appearance / Colour</b>	Colour Brown liquid

<b>Shelf life</b>	12 months from date of production if stored properly in undamaged and unopened original sealed packing.
<b>Storage conditions</b>	Store in dry conditions, protected from direct sunlight and frost.
<b>Density</b>	(at 20°C) 1.150 (ASTM C-494)

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	0.2 - 0.8 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>▪ Plastiment® -RD is compatible with all types of Portland Cement, including S.R.C.</li> <li>▪ When accidental overdosing occurs the set retarding effect increases.</li> <li>▪ During this period the concrete must be kept moist in order to prevent premature drying out.</li> <li>▪ There will also be an additional amount of air entrainment.</li> </ul>
<b>Dispensing</b>	Plastiment® -RD is added to the gauging water prior to its addition to the dry mix. Sika dispensers available, ask for details

## 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.

## 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.

## ECOLOGY, HEALTH AND SAFETY

- **Safety Precautions**  
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.
- **Ecology** 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.
- **Transport** Non-hazardous
- **Toxicity** 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

**Sika Egypt**

1st Industrial Zone (A)  
Section #10, Block 13035  
El Obour City, Egypt  
TEL: +202 44810580  
FAX: +202 44810459  
egy.sika.com



SikaPlastimentRD-en-EG-(05-2016)-2-1.pdf

Product Data Sheet  
Sika® Plastiment® RD  
May 2016, Version 02.01  
021303011000000131

