

# Plastiment® RXSR(VP)

## Highly Effective Water-Reducer and Set Retarding Concrete Admixture

**Product Description** **Plastiment® RXSR(VP)** is a chloride-free, highly effective Water-reducer and set-retarding concrete admixture that acts as: a highly efficient water-reducer with a slight set retarding effect for the production of free flowing concrete in hot climates. A substantial water reducing agent for promoting high, early and ultimate strengths.

**Uses** **Plastiment® RXSR(VP)** 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 concrete ect...
- Decreases the concrete permeability.
- A Micro-Superplasticizer for normal concrete C20 and C25

**Advantages** **Plastiment® RXSR(VP)** 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
- Chloride free.

**Test Standards** **Plastiment® RXSR(VP)** complies with ASTM C494 Type A & D

### Product Data

**Type** Modified Polymers Dispersion.

**Form** Brown liquid

**Packaging** 250 Kg drums and 1000 Kg flow bins  
Bulk supply in tanker trucks possible on demand

**Storage condition** Store in a dry minimum area between 5°C and 35°C. Protect from direct sunlight

**Shelf life** 12 months minimum from date of production if stored properly in original unopened packaging

Construction



**Application Details**

**Dosage** 0.2 - 1.8% by weight of cement. Exact dosage rates are dependent on the type of effect required, quality of cement, aggregates, water cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes. Plastiment® RXSR(vp) is compatible with all types of Portland cements including S.R.C.. Accidental over dosing of Plastiment® RXSR (vp) will cause extended delay in the initial set, however, the final strength will not be impaired.

**Technical Data**

**Density at 25°C** Approximately 1.18 kg/Lt

**pH** 9

**Chloride content** Nil (EN 934-2)

**Dispensing** **Plastiment® RXSR(VP)** can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete (the plasticizing effect is more pronounced). The correct quantity of Plastiment RXSR (VP) should be measured by means of a recommended dispenser.

**Curing** Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol products as a curing agent or apply wet hessian.

**Compatibility** **Plastiment® RXSR(VP)** is compatible with all types of portland cements including sulfonate resistant cement.

**Cleaning** Clean all equipment and tools with water immediately after use.

**Remarks** When accidental overdosing occurs, the set retarding effect increases, additional air entrapped. During this period the concrete must be kept moist in order to prevent premature drying out.

**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.

Skin barrier cream, safety goggles and rubber gloves are recommended.

**Ecology** Do not dispose of into water or soil but according to local regulations.

**Toxicity** Non-toxic under the relevant Swiss health and safety codes.

**Transportation** Non-hazardous.

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 practice, the differences in materials, substratum 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request

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