

# PRODUCT DATA SHEET

## Plastiment® RL(VP)

Water-Reducer Concrete Admixture

### PRODUCT DESCRIPTION

Plastiment® RL(VP) is a chloride-free, Water-reducer concrete admixture. An economical solution for standard ready mixed concrete re-tempering.

#### USES

- Walls, columns, piers, slabs and foundations
- To obtain dense concrete
- An economical plasticizer for standard concrete re-tempering

#### CHARACTERISTICS / ADVANTAGES

- Increased workability and easier place ability.
- Improved finishing characteristics.
- Easier and faster pumping of concrete.
- Reduced shrinkage and cracking.
- Reduced permeability.
- Increased concrete durability and uniformity.
- Improved appearance of architectural concrete.
- Increased strength at all ages.

### TESTS

#### APPROVAL / STANDARDS

Complies with ASTM C494 Type A & F

### PRODUCT DATA

#### FORM

#### COLOUR

Dark Brown Liquid

#### PACKAGING

200 Kg drums and 1000 Kg flow bins  
Bulk supply in tanker trucks possible on demand.

#### STORAGE

#### STORAGE CONDITIONS / SHELF-LIFE

12 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight.

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**TECHNICAL DATA****DENSITY**

1.14 kg/l + 0.015 kg/l

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**Application Notes**

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**APPLICATION DETAILS****DOSAGE**

0.8% - 3% by weight of cement.

At a low and moderate dosage rate, Plastiment® RL(VP) acts as a Type A, at higher dosage rate it acts as a Type F admixture.

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. It is recommended that trial mixes be conducted in order to determine the required dosage for optimum performance with your concrete components. Consult Sika local representative or Sika Technical Services Department for dosage recommendations.

**COMBINATION WITH OTHER ADMIXTURES**

Plastiment® RL(VP) is highly effective in combination with other Sika admixtures please contact your local regional office or Technical Service Department for further information.

**COMBINATION WITH POZZOLANIC MATERIALS**

Plastiment® RL(VP), can be successfully used in mix designs utilizing pozzolanic materials such as fly ash and GGBS.

**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

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**APPLICATION INSTRUCTIONS****DISPENSING**

For best results, Plastiment® RL(VP) should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. Plastiment® RL(VP) may also be dispensed as an integral material during the regular admixture batching cycle or into freshly mixed concrete in a Ready-Mix truck at the concrete plant or job site.

To optimize the effect, Sika recommends that the combined materials be mixed for 80-100 revolutions, either in the concrete mixer or in the Ready-Mix truck.

**REMARK**

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

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## Safety Instructions

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### CLEANING

Clean all tools and application equipment with water immediately after use.

### ECOLOGY /TRANSPORT/TOXICITY

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

Non-hazardous. Non Toxic

### HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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## Legal Notes

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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.**

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