

## PRODUCT DATA SHEET

# Sika® Plastiment® BV-35

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WR-Water reducer admixture

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## DESCRIPTION

Sika® Plastiment® BV-35 is a special formulated water reducer admixture based on selected lignosulfonates, which provides a cost effective solution in enhancing the water reduction without retardation.

## USES

Sika® Plastiment® BV-35 is used to improve the efficiency of the water content in concrete mixes, to achieve increased workability without loss of strength or to increase strength without loss of workability. It can be used for pumped and structural concrete. The period during which the concrete can be placed is also extended.

## CHARACTERISTICS / ADVANTAGES

- *Improve workability and finishability*

Higher slump can be achieved without further addition of water.

- *Easier and quicker placing and compaction.*
- *Excellent Strength Performance*

The water reduction properties as well as the dispersion characteristic enhance the strength gained at all ages.

- *Homogeneous concrete with less shrinkage requiring lower pumping pressure*
- *Improve plastic concrete properties*

Sika® Plastiment® BV-35 enables concrete to achieve internal cohesiveness with improved placement properties. By having better cohesion, segregation and bleeding can be minimised.

- *Retardation without loss in strength (dependant on dosage rate)*

## PRODUCT INFORMATION

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<b>Composition</b>	Aqueous solution of lignosulfonates
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<b>Packaging</b>	Bulk deliveries
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1000 l IBC  
205 l drum

<b>Shelf life</b>	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight, shelf life is at least one (1) year.
<b>Storage conditions</b>	Store at temperatures between 5°C and 35°C, protected from direct sunlight.
<b>Appearance and colour</b>	Dark brown liquid
<b>Specific gravity</b>	1.19 g/cm <sup>3</sup> approximately
<b>Concreting guidance</b>	Concrete should be placed according to good concrete practices and proper curing procedures should take place.
<b>Recommended dosage</b>	Recommended dosage is 350 ml ± 100 ml per 100 kg of total cementitious material. This dosage can be increased to 600 ml ± 100 ml per 100 kg of total cementitious material to improve water reduction and increase setting time. Optimum dosage should be determined by site trials with the particular concrete mix design.
<b>Dispensing</b>	Sika® Plastiment® BV-35 is added with the batching water. Never add to a dry mix.
<b>Compatibility</b>	Sika® Plastiment® BV-35 can be used in conjunction with all the Sika Concrete Admixtures. For additional information, please contact your local Sika Representative.

## 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.

## FURTHER INFORMATION

May slightly increase air content of concrete at normal dose rate.

## ECOLOGY, HEALTH AND SAFETY

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

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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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