

Sika Plastiment[®] BV 35

WR - Water Reducer

Construction

Description	Sika Plastiment [®] BV35 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 [®] BV35 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, prestressed and structural concrete. The period during which the concrete can be placed is also extended.
Advantages	<ul style="list-style-type: none"> • <i>Improve Workability and Finishability.</i> Higher slump can be achieved without further addition of water. • <i>Easier and quicker placing and compaction.</i> • <i>Excellent Strength Performance</i> The water reduction properties as well as the dispersion characteristic enhance the strength gained at all ages. • <i>Homogeneous concrete with less shrinkage requiring lower pumping pressure</i> • <i>Improve plastic concrete properties</i> Sika Plastiment[®] BV35 enables concrete to achieve internal cohesiveness with improved placement properties. By having better cohesion, segregation and bleeding can be minimised. • <i>Retardation without loss in strength (dependant on dosage rate)</i>
Storage and Shelf Life	Stored at temperatures between 0°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is at least one (1) year.
Application	
Dosage	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.
Mixing	Sika Plastiment [®] BV35 is added with the initial batching water. Never add to a dry mix.
Application Method	Concrete mixed with Sika Plastiment [®] BV35 is transported to site in ready-mixed trucks. Concrete should be placed according to good concrete practices and proper curing procedures should take place.
Specification Type	<p>Sika[®] Plastiment[®] BV35 meets and exceeds all requirements of Australian Standard 1478.1-2000 for Water Reducing Admixture (WR).</p> <p>Queensland Government Department of Main Roads approved.</p>

Technical Data (Typical)

Form	Aqueous solution of calcium lignosulfonates
Colour	Brown
Density (20°C)	1.15 kg/litre approx.
pH value (20°C)	7.0 ± 1.0
Chloride Content	No added chlorides
TEA Content	Does not contain triethanolamine
Air Entrainment	May slightly increase air content of concrete at normal dose rate
Packaging	20 litre pail 205 litre drum Bulk deliveries

Important Notes	<ul style="list-style-type: none"> • When using Sika Plastiment® BV35, site trials are always recommended to achieve the best results. • Please check compatibility when using with other admixtures. • For additional information, please contact your local Sika Representative.
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Handling Precautions	<ul style="list-style-type: none"> • Avoid contact with skin and eyes. • Wear protective gloves and eye protection during work. • If skin contact occurs, wash skin thoroughly. • If in eyes, hold eyes open, flood with warm water and seek medical attention without delay. • A full Material Safety Data Sheet is available from Sika on request.
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Important Notification	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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, 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. 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.</p>
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PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

