

Sika[®] Plastiment BV35R

WR - Water Reducer – Summer Conditions

Construction

Description	Sika Plastiment [®] BV35R is a special formulated water reducer admixture based on selected lignosulfonates, which provides a cost effective solution in enhancing the water reduction and retarding effect.
Uses	Sika Plastiment [®] BV35R 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. Because of the retarding effect, Sika Plastiment [®] BV35R is the ideal water reducer for concrete to be placed in high temperatures.
Advantages	<ul style="list-style-type: none"> • Improved workability and finishability in hot climate. 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. • Reduced potential for plastic shrinkage cracking • Improved plastic concrete properties
Storage and Shelf Life	Stored at temperatures between 5°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 dose rate is 300mls to 700mls per 100kg of cement, exact dosage rate should be determined by trials.
Mixing	Sika Plastiment [®] BV35R is added with the initial batching water. Never add to a dry mix.
Application Method	Concrete mixed with Sika Plastiment [®] BV35R is transported to site in premix trucks. Concrete should be placed according to good concrete practices and proper curing procedures should take place.
Specification Type	<p>Sika[®] Plastiment[®] BV35R meets and exceeds all requirements of Australian Standard 1478.1-2000 for Water reducer Admixture (WR).</p> <p>Queensland Government Department of Main Roads approved.</p>

Technical Data (Typical)

Form	Liquid mixture of calcium lignosulfonates and carbohydrates
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Colour	Brown
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Density (20°C)	1.16 kg/litre approx.
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pH value (20°C)	9.0 ± 1.0
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Chloride Content	No added chlorides
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TEA Content	Does not contain triethanolamine
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Air entrainment	Less than 2% at normal dose rate
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Packaging	20 litre pail 205 litre drum Bulk deliveries
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Important Notes	<ul style="list-style-type: none"> • When using Sika Plastiment® BV35R, 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.

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