

Sika Plastiment[®] BV80N

WR - Water Reducer

Construction

Description	Sika Plastiment [®] BV80N is a special formulated water reducer admixture based on selected lignosulfonates and polymers which provide a cost effective solution in enhancing the water reduction.
Uses	Sika Plastiment [®] BV80N is used to produce high workable cohesive concrete with no increase in water content. It is designed for the premix concrete industry for use with most types of blended cement.
Advantages	<ul style="list-style-type: none"> • Increase workability – increase handling speed. • Faster compaction and cheaper. • Improved cohesiveness – enables pump pressure to be lowered. • Aids screeding and finishing. • Minimised bleeding and segregation. • Reduced shrinkage. • Minimal air entrainment. • Higher dose rates increased water reduction, setting times, concrete strength and durability.
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 dosage is 250 mls to 450mls 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 delay setting time. Optimum dosage should be determined by site trials with the particular concrete mix design.
Mixing	Sika Plastiment [®] BV80N is added with the initial batching water, prior to the addition of aggregates. Best results are achieved when dosage into the water is delayed until the cement and air entraining admixture have been added and initially mixed with water.
Application Method	Concrete mixed with Sika Plastiment [®] BV80N 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	Sika [®] Plastiment [®] BV80N meets and exceeds all requirements of Australian Standard 1478.1-2000 for Water Reducer Admixture (WR). Queensland Government Department of Main Roads approved.

Technical Data (Typical)

Form	Aqueous solution of calcium lignosulfonates and complex carbohydrates
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Colour	Brown
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Density (20°C)	1.17 kg/litre approx.
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pH value (20°C)	8.0 ± 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	May slightly increase air content of concrete at normal dose rate
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Packaging	20 litre pail
	205 litre drum
	Bulk deliveries

Important Notes	<ul style="list-style-type: none"> • When using Sika Plastiment® BV80N, 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.

