

# Sika ViscoCrete<sup>®</sup> 16

## MWR –Medium-Range Water Reducer

Construction

<b>Description</b>	Sika ViscoCrete <sup>®</sup> 16 is a medium-range water reducer specifically formulated to produce concrete with improved water reduction and extended slump life. Sika ViscoCrete <sup>®</sup> 16 combines the benefits of normal water reducer and high range water reducer with controlled ease on achieving and maintaining 120-160 mm slumps.
<b>Uses</b>	Sika ViscoCrete <sup>®</sup> 16 is suitable to produce soft, easy placement concrete. It helps in greater water reduction, flowability and in making the concrete less “sticky”.
<b>Advantages</b>	Use of Sika ViscoCrete <sup>®</sup> 16 in concrete improves the following properties. <ul style="list-style-type: none"> <li>• Improved shrinkage and creep behaviour.</li> <li>• Improved plastic concrete properties.</li> <li>• Increases service life of structures.</li> <li>• Improve finishing</li> </ul>
<b>Storage and Shelf life</b>	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. Please check with your Sika representative for shelf a life exceeded product.
<b>Instructions for Use</b>	
<b>Dosage</b>	Typical dosage for general concrete production is between 400-1000 mls per 100kg of total cementitious material. Optimum dosage depends on site and job conditions, mix ingredients and desired plastic and hardened properties. Laboratory and field trials are essential in determining the optimum dosage.
<b>Mixing</b>	Sika ViscoCrete <sup>®</sup> 16 can be added together with the batch water. For optimum utilisation of the high range water reduction we recommend thorough mixing at a minimum wet mixing time of 60 seconds per cubic metre after the admixture addition.  Optimal performance may be achieved if addition is delayed until cement has wetted out.
<b>Application Method</b>	Place concrete according to good concrete practices with proper curing procedures.
<b>Specification Type</b>	Sika ViscoCrete <sup>®</sup> 16 meets and exceeds all requirements of Australian Standard 1478.1-2000 for Medium Range Water Reducer, normal setting admixture (MWR) Queensland government department of main roads approved.

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**Technical and Physical Data**


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<b>Form</b>	Aqueous solution of modified polycarboxylate
<b>Colour</b>	Light Brown
<b>Density (20°C)</b>	1.05 kg/litre approx.
<b>pH-value (20°C)</b>	5.0 ± 1.0
<b>Chloride Content</b>	No added chlorides
<b>TEA Content</b>	Does not contain triethanolamine
<b>Air Entrainment</b>	May increase air content of concrete when used at normal dose
<b>Packaging</b>	20 litre pail 205 litre drum Bulk deliveries

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<b>Important Note</b>	<ul style="list-style-type: none"> <li>• When using Sika ViscoCrete® 16 setting time will depend on site conditions. This should be checked and predetermined with trial mixes.</li> <li>• Please check compatibility when using with other admixtures.</li> <li>• Not to be used with other water reducers or high range water reducers.</li> <li>• For additional information, please contact your local Sika Representative.</li> </ul>
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<b>Handling Precautions</b>	<ul style="list-style-type: none"> <li>• Avoid contact with eyes and skin.</li> <li>• Wear protective gloves and eye protection during work.</li> <li>• If skin contact occurs, wash skin thoroughly.</li> <li>• If in eyes, hold eyes open, flood with warm water and seek medical attention immediately.</li> <li>• A full Material Safety Data Sheet is available from Sika on request.</li> </ul>
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<b>Important Notification</b>	<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 Australian version 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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