

Sikament[®]-156 WRRe

Water Reducing Set Retarding Admixture - WRRe

Construction

Description	Sikament-156 WRRe is a water reducing set retarder specifically formulated to produce concrete with improved water reduction and extended slump life while retarding the setting time of the mix. Sikament 156 WRRe combines the benefits of a normal water reducer allowing for the ease of obtaining and controlling concretes with 80-120 mm slumps.
Uses	Sikament-156 WRRe is suitable to produce low to medium performance concrete, with water reduction, and increased bleed water characteristics.
Advantages	<p>The use of Sikament-156 WRRe in concrete improves the following properties</p> <ul style="list-style-type: none">■ Higher water reduction achieved, results in high density, and less permeable concrete.■ A combination water reducer retarder – excellent for hot conditions■ Increase bleed characteristics which allows for a denser surface finish■ Improved shrinkage and creep behaviour■ Economical due to cement reduction
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. Depending on storage conditions the shelf life may be higher than stated. Please check with your Sika representative for a shelf life exceeded product.
Instructions for Use	
Dosage	Typical dosage for general concrete production is between 250-500 mls per 100 kg of total cementitious material. Optimum dosage depends on site conditions, job conditions, mix constituents and desired plastic and hardened properties. Laboratory and field trials are essential in determining the optimum dosage.
Mixing	<p>Sikament-156 WRRe may be added to the mix with the initial batching water, however for best results Sikament-156 WRRe should be added after initial introduction of batch water to cement. We recommend that the concrete should be thoroughly mixed for 60 seconds per cubic metre of concrete.</p> <p>Add the remaining gauging water progressively after at least 2/3 wet mixing time to achieve the desired consistency.</p>
Application Method	Place concrete according to good concrete practices with proper curing procedures.
Specification Type	Sikament-156 WRRe meets and exceeds all requirements of Australian Standard AS1478.1-2000 for a Water Reducing Set Retarding Admixture (WRRe).



Technical Data (Typical)

Form	Aqueous solution of modified polycarboxylates and carbohydrates
Colour	Light Brown
TEA Content	Does not contain Triethanolamine
Air Entrainment	May slightly increase air content of concrete
Packaging	20 litre pail 205 litre drum Bulk deliveries

Important Notes	<ul style="list-style-type: none"> • When using Sikament-156 WRRe, site trials are always recommended to achieve the best results. • Please check compatibility when using with other admixtures. • Do not use with naphthalene based 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 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.

