

Sikament® 300^{CA}

High-Range Water Reducing Admixture

Description	Sikament® 300 ^{CA} is a normal setting, high range water reducing, super-plasticizing admixture for concrete. Sikament® 300 ^{CA} is formulated to produce stronger, more durable concrete.												
Where to Use	<ul style="list-style-type: none"> ■ As a super-plasticizer, Sikament® 300^{CA} may be added with the normal amount of water to produce flowing concrete. ■ When used as a high range water reducer, Sikament® 300^{CA} will reduce water requirements by 25 - 40%, increasing concrete compressive strengths at all ages. Alternatively, it can be used to achieve a combination of these characteristics. 												
Advantages	<ul style="list-style-type: none"> ■ Jobsite control of slump without the addition of water. ■ Higher, early and ultimate strengths. ■ Improved workability with no loss in strength. ■ Improved cohesiveness and reduced segregation. ■ Higher strengths may be achieved more economically. ■ Lower permeability and greater durability. ■ Easier concrete placement in difficult to access and heavily reinforced areas. ■ Reduces shrinkage and creep. ■ Yields higher modulus of rupture. 												
Standards	<p>Sikament® 300^{CA} conforms to the following standards and specifications:</p> <ul style="list-style-type: none"> ■ ASTM C494, Type F & G ■ ASTM C1017M Type 1 & 2 ■ AASHTO M-194, Type F 												
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Typical Data</td> <td></td> </tr> <tr> <td>Packaging</td> <td>205 L (54 US gal.) drum 1040 L (275 US gal.) IBC container Bulk delivery</td> </tr> <tr> <td>Colour and Form</td> <td>Dark brown liquid</td> </tr> <tr> <td>Shelf Life and Storage</td> <td>1 year when stored in dry warehouse conditions between 5 - 27°C (40 - 80°F). Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.</td> </tr> <tr> <td>Properties</td> <td></td> </tr> <tr> <td>Specific Gravity</td> <td>Approx.1.2</td> </tr> </table>		Typical Data		Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC container Bulk delivery	Colour and Form	Dark brown liquid	Shelf Life and Storage	1 year when stored in dry warehouse conditions between 5 - 27°C (40 - 80°F). Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.	Properties		Specific Gravity	Approx.1.2
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Dosage	Sikament® 300 ^{CA} is normally added to the concrete at a rate of 350 - 1000 mL/100 kg weight of cementitious material. Performance assurance testing should be conducted to determine the optimum dosage.												
Mixing	Sikament® 300 ^{CA} should be dispensed separately from the other admixtures, preferably after all of the materials have been charged into the mixer.												
Clean Up	Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.												
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.												

**KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY**

The information, and in particular, the recommendations relating to the application and end-use of Sika 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, within their shelf life. 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 recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.



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Construction

