

Sika® P-300N

High-Range Water Reducing Admixture

Description	Sika® P-300N is a normal setting, high range water reducing, super-plasticizing powdered admixture for concrete.								
Where to Use	<ul style="list-style-type: none"> ■ As a super-plasticizer, Sika® P-300N may be added with the normal amount of water to produce flowing concrete. ■ When used as a high range water reducer, Sika® P-300N 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	Sika® P-300N conforms to ASTM C494, Type F.								
	<table border="1"> <tr> <td>Typical Data</td> <td></td> </tr> <tr> <td>Packaging</td> <td>15 kg (33 lb) and 25 kg (55 lb) bags</td> </tr> <tr> <td>Colour and Form</td> <td>Brown powder</td> </tr> <tr> <td>Shelf Life and Storage</td> <td>2 years when stored in original unopened bag in dry warehouse conditions. Protect from direct sunlight.</td> </tr> </table>	Typical Data		Packaging	15 kg (33 lb) and 25 kg (55 lb) bags	Colour and Form	Brown powder	Shelf Life and Storage	2 years when stored in original unopened bag in dry warehouse conditions. Protect from direct sunlight.
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Dosage	<p>Sika® P-300N is normally added to the concrete at a rate of 150 - 500 g/100 kg weight of cementitious material. Performance assurance testing should be conducted to determine the optimum dosage.</p> <p>Dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case, please contact your Sika Canada Technical Sales Representative for further information.</p>								
Mixing	Sika® P-300N 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	<p>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.</p> <p>KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY</p>								

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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