

Sika® P-NCA

Accelerating Admixture

Description	Sika® P-NCA is a non-chloride, accelerating powdered admixture.	
Where to Use	Sika® P-NCA is an effective accelerator where high early strength concrete is desired and the use of calcium chloride is prohibited.	
Advantages	<p>Accelerated Set Times and Strength Development: Sika® P-NCA may be used to accelerate set times and increase early strength gain where job-site efficiency is important in order to meet construction deadlines. Sika® P-NCA saves time and money by allowing faster finishing and stripping of concrete surfaces.</p> <ul style="list-style-type: none"> ■ Accelerated setting time across a wide range of temperatures. ■ Increased early strengths. ■ Insulation and heating costs during curing time are reduced. ■ Accelerated set times allow crews to finish concrete earlier, saving on labor costs. ■ Earlier stripping and reuse of forms increases labor productivity. ■ Accelerated strength gain allows earlier structural use and speeds completion time. <p>Sika® P-NCA does not contain calcium chloride or any other intentionally added chlorides and will not initiate or promote the corrosion of steel members present in the concrete.</p> <p>Cold Weather Concreting: At the recommended dosage rate Sika® P-NCA may allow concrete to set before freezing in most sub-freezing temperature conditions and may reduce the need for cold weather concreting practices as specified in ACI 306 - <i>Standard Specification for Cold Weather Concreting</i>.</p>	
Standards	Sika® P-NCA meets the requirements of ASTM C494 Type C.	
	Typical Data	
	Packaging	25 kg (55 lb) bag
	Colour and Form	White powder
	Shelf Life and Storage	2 years when stored in original unopened bag in dry warehouse conditions. Protect from direct sunlight.

How to Use

Dosage To accelerate set times, a dosage at the rate of 500 - 2000 g/100 kg of cementitious material is recommended.

In case of sub-zero temperatures, Sika® P-NCA is used to counteract the negative effects of frost on concrete taking into consideration factors such as windchill index, for example. **Note:** Sika® P-NCA will accelerate the setting time before loss of concrete heat but is not considered as an anti-freeze.

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.

Mixing

When used in combination with other admixtures, care must be taken to dispense each admixture separately into the concrete. On-site testing must be conducted to determine ambient and concrete minimal temperatures and optimal dosage to attain the setting time and strength desired. Proper curing techniques will have to be employed to protect fresh concrete from heat loss occurring quickly in extreme weather conditions.

Combination with other Admixtures: Sika® P-NCA works effectively as a single admixture or in combination with other Sika® admixtures.



Construction

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.



Sika Canada Inc.
Head Office
601 Delmar Avenue
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

An ISO 9001 certified company
Pointe-Claire: ISO 14001 certified EMS

Powdered Admixtures
Sika® P-NCA