

# SikaSet NC

## Accelerating Admixture

<b>Description</b>	SikaSet NC is a non-chloride, water reducing and accelerating admixture. SikaSet NC meets the interim requirements of ASTM C-494 Types C and E.
<b>Applications</b>	SikaSet NC is an effective accelerator where high early strength concrete is desired and the use of calcium chloride is prohibited.
<b>Advantages</b>	<p><b>Accelerated Set Times and Strength Development:</b> SikaSet NC may be used to accelerate set times and increase early strength gain where job-site efficiency is important in order to meet construction deadlines. SikaSet NC saves time and money by allowing faster finishing and stripping of concrete surfaces.</p> <ul style="list-style-type: none"><li>■ Accelerated setting time across a wide range of temperatures.</li><li>■ Increased early and ultimate compressive and flexural strengths.</li><li>■ Insulation and heating costs during curing time are reduced.</li><li>■ Accelerated set times allow crews to finish concrete earlier, saving on labor costs.</li><li>■ Earlier stripping and reuse of forms increases labor productivity.</li><li>■ Accelerated strength gain allows earlier structural use and speeds completion time.</li></ul> <p>SikaSet NC 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><b>Cold Weather Concreting:</b> At the recommended dosage rate SikaSet NC will protect concrete from freezing in most sub-freezing temperature conditions and may reduce the need for cold weather concreting practices as specified in <i>ACI 306 - Standard Specification for Cold Weather Concreting</i>.</p>

### How to Use

<b>Dosage</b>	To accelerate set times dosage at the rate of 10-45 fl. oz. per 100 lbs. (650 - 2940 ml/100 kg.) of cement is recommended.  When used to protect concrete from freezing, dosage will vary with different brands of cement and ambient temperatures and higher dosages may be necessary. Sika recommends that trial mixes be performed to determine the most efficient dosage. When using 16 fl.oz./100 lbs. or more, adjust mixing water accordingly. 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 local regional Sika office or Sika technical service department at 1-800-933-7452 for further information.
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<b>Mixing</b>	Add the correct amount of SikaSet NC at the concrete plant. The admixture may be added manually or by automated dispenser directly into the sand or into the water line at the batch plant.
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When used in combination with other admixtures care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement. Field evaluations should be carried out to determine the minimum ambient and concrete temperature required, and the optimum dosage for the desired setting time and strength performance. Appropriate, sound curing practices must be followed to protect fresh concrete from excessive heat loss in extreme weather conditions.

**Combination with other admixtures:**

SikaSet NC is highly effective as a single admixture or in combination with other Sika admixtures. Add the correct amount of SikaSet NC at the concrete plant. The admixture may be added manually or by automated dispenser directly into the sand or into the water line at the batch plant.

<b>Packaging</b>	Sika Set NC is available in 55 gallon drum (208 liter), 275 gallon totes (1040 liters) drums and bulk delivery.
<b>Storage and Shelf Life</b>	Sika Set NC should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.  Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is one year.
<b>Typical Data</b>	
<b>Appearance</b>	Blue liquid.
<b>Specific Gravity</b>	Approx. 1.4
<b>CAUTION: IRRITANT</b>	Contains Sodium Salt of an Organic Acid Solution (CAS: Mixture) and Calcium Nitrate (CAS: 10124-37-5). May cause eye/skin/respiratory irritation. May be harmful if swallowed.
<b>Handling and Storage</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse.
<b>First Aid</b>	<b>Eyes:</b> Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin:</b> Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation:</b> Remove to fresh air. <b>Ingestion:</b> Do not induce vomiting. Dilute with water. Contact physician. <b>In all cases contact a physician immediately if symptoms persist.</b>
<b>Clean Up</b>	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.

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY**

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Sika SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. Sika SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408

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