

SikaSet® NC

Accelerating Admixture

Description	SikaSet® NC is a non-chloride, water reducing and accelerating admixture. SikaSet® NC meets the requirements of ASTM C-494 Types C and E admixtures.
Applications	SikaSet® NC is an effective accelerator where high early strength concrete is desired and the use of calcium chloride is prohibited.
Benefits	<p>Accelerated Set Times and Strength Development: 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">■ Accelerated setting time across a wide range of temperatures.■ Increased early and ultimate compressive and flexural 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>Cold Weather Concreting: 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 ACI 306 - Standard Specification for Cold Weather Concreting.</p> <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>
How to Use	
Dosage	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.

Concrete



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Mixing

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.

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. Sika strongly recommends that appropriate, sound curing practices 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 admixtures in the Sika System.

Packaging

SikaSet® NC is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.

Storage and Shelf Life

SikaSet® NC will begin to freeze at 20°F (-7°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.

Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is 1 year.

Typical Data

Appearance

Blue Liquid

Specific Gravity

Approx. 1.37

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

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