

PRODUCT DATA SHEET

SikaSet® NCST

WATER REDUCING AND ACCELERATING ADMIXTURE

PRODUCT DESCRIPTION

SikaSet® NCST is a water reducing and accelerating admixture.

USES

SikaSet® NCST is an effective accelerator where high early strength concrete is desired and calcium chloride is prohibited. SikaSet® NCST is designed for the use in ready mix, precast and dry cast concrete applications.

CHARACTERISTICS / ADVANTAGES

Accelerated Set Times and Strength Development:

SikaSet® NCST 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® NCST provides the following benefits:

- Accelerated setting time across a wide range of temperatures.
- Faster finishing and stripping of concrete surfaces.
- Earlier stripping and reuse of forms increases labor productivity.
- Increased early and ultimate compressive and flexural strengths.
- Reduced need for insulation and heating during curing.
- Accelerated strength gain allowing earlier structural use and completion.

Cold Weather Concreting:

In case of freezing conditions, cold weather concreting practices as specified in ACI 306 - Standard Specification for Cold Weather Concreting should be followed.

SikaSet® NCST does not contain intentionally added chlorides.

PRODUCT INFORMATION

Packaging	SikaSet® NCST is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Blue Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 40°F and 80°F (5-27°C) is one year from date of manufacture.
Storage Conditions	SikaSet® NCST should be stored above 20°F (-7°C). If frozen, thaw and agitate thoroughly to return to a normal state. Protect from direct sunlight.
Specific gravity	Approx. 1.402

APPLICATION INFORMATION

Recommended Dosage

The typical dosage range for SikaSet® NCST to accelerate set times is 10-45 fluid ounces per 100 lbs (650-2940 ml / 100 kg) of cementitious material. When used to protect concrete from freezing higher doses may be necessary.

Dosage rates vary depending upon the amount of set acceleration or early strength gain desired. Slump, ambient temperature, water-cementitious ratio, mixing time and various concrete materials, such as type of cement and supplementary cementitious materials, will affect dosage rates. It is recommended to conduct trial mixes with the actual materials to determine the required dosage for optimum performance.

To the extent specialized materials (such as microsilica) are specified, extreme ambient project conditions are encountered, or other unusual project conditions require special consideration outside the recommended dosage, please contact your local regional Sika office or Sika technical service department at 1-800-933-7452 prior to using the Sika admixture.

Mixing

Measure the required quantity manually or by automated dispenser. Add SikaSet® NCST directly into the freshly mixed concrete, or as an integral material in the batching cycle. Do not mix with dry cement. SikaSet® NCST may be dispensed on site directly prior to placement. Care must be taken to mix thoroughly. When used in combination with other admixtures dispense each admixture separately into the mix.

Compatibility:

SikaSet® NCST can be used in combination with other Sika admixtures and can be successfully used in mix designs utilizing supplementary cementitious materials.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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Product Data Sheet

SikaSet® NCST
July 2021, Version 01.01
02140202100000164

SikaSetNCST-en-US-(07-2021)-1-1.pdf

