

PRODUCT DATA SHEET

Sika® Plastocrete®-161 HE

ACCELERATING ADMIXTURE

PRODUCT DESCRIPTION

Sika® Plastocrete®-161 HE is a set accelerating admixture formulated to reduce concrete set times. Sika® Plastocrete®-161 HE contains calcium chloride. Sika® Plastocrete®-161 HE meets the requirements of ASTM C-494, Types C and E.

USES

Sika® Plastocrete®-161 HE is recommended where an economical and effective set accelerator is required to reduce set times and increase early compressive strength throughout a wide range of temperatures.

CHARACTERISTICS / ADVANTAGES

Cold Weather Concreting:

When Sika® Plastocrete®-161 HE is added to the mix, set times of cold weather concrete approach those of normal weather conditions.

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

Accelerated Set Times and Strength Development:

Sika® Plastocrete®-161 HE may be used to accelerate setting times where job-site efficiency is important in order to maintain construction deadlines.

Reduced setting and curing times offer significant economies in the following areas:

- Insulation and heating costs during curing times are reduced.
- Accelerated setting times allow crews to finish concrete earlier and save time and costs for finishing operations.
- Earlier stripping and reuse of forms increase labor productivity and reduce job site labor costs.
- Accelerated strength gain allows earlier structural use of concrete and speeds up project completion time.

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Packaging | Sika® Plastocrete®-161 HE is available in 55 gallon drums (208 liter) and bulk delivery. |
| Appearance / Color | Dark Brown Liquid |
| Shelf Life | Shelf life when stored in dry warehouse conditions between 50 °F and 80 °F (10–27 °C) is one year. |
| Storage Conditions | Sika® Plastocrete®-161 HE will begin to freeze at 20 °F (-7 °C). If frozen, thaw and agitate thoroughly to return to normal state before use. |
| Specific gravity | Approx. 1.25 |

APPLICATION INFORMATION

Recommended Dosage

Dosage rates of 6-64 fl. oz. / 100 lbs. (390–4160 ml / 100 kg) cementitious are recommended for most applications. When dosage used is more than 16 fl.oz. / cwt. adjust mixing water accordingly.

Mixing

Measure the required quantity manually or by automated dispenser. Add into the water line at the batch plant or directly to the mixer at the end of the batching cycle. 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.

Combination with Other Admixtures: Sika® Plastocrete®-161 HE performs effectively as single admixture or in combination with other admixtures in the Sika System.

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.

ENVIRONMENTAL, HEALTH AND SAFETY

Avoid contact with skin and eyes, wear personal protective equipment, gloves and safety goggles. Do not ingest if possible. Use only in ventilated areas.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet

Sika® Plastocrete®-161 HE
August 2020, Version 01.01
02140202100000094

SikaPlastocrete-161HE-en-US-(08-2020)-1-1.pdf

