

PRODUCT DATA SHEET

Sika® Stabilizer-180 RCA

RETURNED CONCRETE ADMIXTURE

PRODUCT DESCRIPTION

Sika® Stabilizer-180 RCA is Sika's solution for more sustainable returned concrete processing. Sika® Stabilizer-180 RCA is a fast acting powdered admixture used to alter the properties of plastic concrete resulting in a very low strength granular material that is easy to process.

USES

Sika® Stabilizer-180 RCA is designed for use in the ready mix industry to facilitate the returned concrete process. Once incorporated into plastic concrete, the resulting granular concrete cures into a low strength material allowing easy processing. The processed material can be reused for various applications.

CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer-180 RCA provides an easy, economical and efficient way to manage returned plastic concrete by impeding the cement hydration process resulting in a very low strength granular material. Sika® Stabilizer-180 RCA treats a wide variety of concrete mix types.

Sika® Stabilizer-180 RCA provides the following benefits:

- Improved storage constraints and space saving at the ready mix facility due to more efficient returned concrete processing,
- Reduced need for on-site concrete crushing,
- Improved overall safety due to reduced use of heavy equipment used in processing untreated returned hardened concrete.

Sika® Stabilizer-180 RCA does not contain intentionally added chlorides.

ENVIRONMENTAL INFORMATION

Generates usable material and diverts waste from landfills. Lowers carbon footprint by eliminating the need for energy intensive processing and transport.

PRODUCT INFORMATION

Packaging	Available in 1.0 lb (0.454 kg) water-soluble packs individually packaged in a protective plastic overpack, 36 packages per cardboard box and 35 boxes per pallet.
Shelf Life	Shelf life when stored in unopened original packaging in dry warehouse conditions between 40°F and 80°F (5-27°C) is one year from the date of manufacture.
Storage Conditions	Sika® Stabilizer-180 RCA must be stored in a dry environment. Damaged, exposed or unprotected packaging will absorb moisture resulting in an unusable product.
Appearance / Color	White Powder

TECHNICAL INFORMATION

Specific Advice	<ul style="list-style-type: none">▪ Trucks that have difficulty discharging low-slump or no-slump concrete may require manual assistance in discharge, or may not be suitable for the use of Sika® Stabilizer-180 RCA.▪ Water-soluble pack must be removed from plastic overpack immediately prior to use.▪ Do not remove water-soluble pack from protective plastic overpack prior to use as moisture will diminish performance.▪ Protect Sika® Stabilizer-180 RCA from moisture and high humidity.▪ Do not open water-soluble pack.▪ Do not wet-handle Sika® Stabilizer-180 RCA as film in water-soluble pack will dissolve.▪ Avoid excess dosages of Sika® Stabilizer-180 RCA as overdose may occur.▪ Once Sika® Stabilizer-180 RCA is added to the plastic concrete, discharge prior to reloading. Concrete treated with Sika® Stabilizer-180 RCA is no longer viable for the original intended use.▪ In case of Sika® Stabilizer-180 RCA spill from broken packaging: sweep or vacuum Sika® Stabilizer-180 RCA prior to cleaning with water. Sika® Stabilizer-180 RCA will require ample water to clean.
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APPLICATION INFORMATION

Recommended Dosage

The typical dosage rate of Sika® Stabilizer-180 RCA is 1.0-2.0 lb/yd³ of concrete. For concrete with a slump less than 7" the recommended dosage is 1.0-1.5 lb/yd³. For concrete with a slump of 7" or more the recommended dosage is 1.5-2.0 lb/yd³.

It is recommended not to exceed a dosage of 2.0 lb/yd³ as the product can be overdosed and concrete may revert to a plastic state.

Mixing

Sika® Stabilizer-180 RCA is sold in pre-measured 1.0 lb (0.454 kg) water-soluble packs individually packaged in a protective plastic overpack. For use, remove the water-soluble pack from the protective plastic overpack.

Below is a guideline for the typical use of Sika® Stabilizer-180 RCA. **DO NOT** add any water to the truck during the returned concrete process.

- Step 1: Determine the volume and slump of returned concrete to be treated. Based on the condition and slump of the concrete the optimum dose can be determined. Certain trucks may require additional considerations. Please refer to "Specific Advice" under the Technical Information section for more details.
 - Step 2: With the drum in discharge mode bring the concrete to the rear of the drum to the point of discharge. Place the determined quantity of prepared water-soluble packs on the concrete and charge the drum at full speed. Once the water-soluble pack is added to the plastic concrete it will immediately dissolve.
 - Step 3: The required mixing time is variable. For concrete volumes up to 3 yd³ the typical mixing time is 3 minutes. Add one minute for each additional cubic yard of concrete treated. An auditory change will indicate the concrete becoming stiff and granular.
 - Step 4: Discharge the granular material in piles not exceeding 0.5 yd³. Excess pile size will contribute to compaction resulting in difficult processing.
 - Step 5: After discharge, break the piles anytime within 24 hours to prevent compaction. The longer the initial static time, the more difficult the material will be to process.
 - Step 6: After 24 hours the processed material can be stored or used as desired.
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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

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.

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.

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