

## PRODUCT DATA SHEET

## Sika® Stabilizer-180 RCA GB

## RETURNED CONCRETE ADMIXTURE

## PRODUCT DESCRIPTION

Sika® Stabilizer-180 RCA GB is Sika's solution for more sustainable returned concrete processing. Sika® Stabilizer-180 RCA GB is a fast acting powdered admixture used to convert fresh concrete into a very low strength granular material that is easy to process and reuse.

## USES

Sika® Stabilizer-180 RCA GB is suitable for use by concrete producers to process returned or unused concrete. Once mixed into plastic concrete, the resulting dry, granular concrete cures into a low strength material allowing easy processing.

## CHARACTERISTICS / ADVANTAGES

- Easy and economical way to manage returned concrete
- Slows or stops cement hydration to give a low strength, granular material
- Removes the need for off-site processing of returned concrete
- Reduced need for on-site concrete crushing.
- Improve safety by removing the use of heavy machinery to process hardened concrete
- Resulting granulate can be mixed back into concrete
- Chloride free

## ENVIRONMENTAL INFORMATION

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

## PRODUCT INFORMATION

Packaging	30 x 0.6 kg soluble bags in a sealed plastic pail, 18 pails per pallet.
Appearance / Colour	White powder
Shelf Life	12 months from date of manufacture, when stored in unopened, original packaging.
Storage Conditions	Store in a dry environment protected from moisture and sunlight. Damaged, exposed or unprotected packaging will absorb moisture resulting in an unusable product.

## TECHNICAL INFORMATION

Specific Advice	<ul style="list-style-type: none"><li>▪ Mixer 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 GB.</li><li>▪ Do not open soluble bag</li><li>▪ Do not wet-handle Sika® Stabilizer-180 RCA GB as film in water-soluble pack will dissolve.</li><li>▪ Once Sika® Stabilizer-180 RCA GB is added to the plastic concrete, dis-</li></ul>
-----------------	--

charge prior to reloading. Concrete treated with Sika® Stabilizer-180 RCA GB is no longer suitable for the original intended use.

- In case of Sika® Stabilizer-180 RCA GB spillage from broken packaging: sweep or vacuum Sika® Stabilizer-180 RCA GB prior to cleaning with water.

## APPLICATION INFORMATION

Recommended Dosage	Concrete Slump	Typical dosage (bags/m³)
	<180 mm (S1-S3)	1
	>180 mm (S4+)	1.5 - 2
Restrictions	Overdosing may result in the concrete returning to a plastic state	

## VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### MIXING

**DO NOT** add any water to the truck during the returned concrete process.

- 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. Please refer to "Specific Advice" under the Technical Information section for more details.
- 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 soluble bags onto the concrete and mix at full speed.
- The required mixing time is variable; for concrete volumes up to 3 m³ the typical mixing time is 3 minutes. Add one minute for each additional cubic yard of concrete treated. You will hear the change as the concrete becomes stiff and granular in the mixer.
- Discharge the granular material in piles not exceeding 0.5 m³. Excess pile size will contribute to compaction resulting in difficult processing.

- Mechanically break the piles anytime within 24 hours to prevent compaction. The longer the pile is left static, the more difficult the material will be to process
- After 24 hours the processed material can be stored or used as desired.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### SIKA LIMITED

Watchmead  
Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited



Product Data Sheet  
Sika® Stabilizer-180 RCA GB  
May 2025, Version 01.01  
021404021000242474

SikaStabilizer-180RCAGB-en-GB-(05-2025)-1-1.pdf

