REFURBISHMENT
SikaTop® REPAIR MORTARS
SIKA CORPORATION - A PROUD HISTORY.

Sika Corporation is undoubtedly the market leader in product offerings for the concrete repair industry. Sika represents quality, innovation, and reliability, which all successfully combine to build an excellent relationship of trust with our customers.

In 1910, Sika introduced a water plug to the construction market, a revolutionary product of its time. The mission to innovate continues today in all the Sika companies around the globe. Today, innovation at Sika USA continues to be the cornerstone of our success. Some of Sika’s landmark contributions in the field of repair mortars are summarized below.

SikaTop® – THE EPITOME OF PERFORMANCE AND DURABILITY - YESTERDAY AND TODAY

No other products continue to dominate their respective market segments like SikaTop has dominated since its introduction into the concrete repair world. Sika launched the concept of two component products to the repair industry some forty years ago. Very soon after its launch, SikaTop became the product line of choice for difficult concrete repairs. Engineers and contractors equally embraced this exciting new product as a part of their solutions for all concrete repair work. Continuing to innovate and improve within the first decade of introduction, Sika was the first company to offer an integral corrosion inhibitor, a welcome addition to the SikaTop line.

Today, Sika continues to invest and innovate in concrete repair solutions in order to meet the new challenges and industry requirements. SikaTops are now turning a new page in their product life cycle as they have now been tested in accordance with the Guideline for Inorganic Repair Material Data Sheet Protocol (Guideline No. 320.3R-2012), published by the International Concrete Repair Institute.
Dimensional stability in repair mortars also referred to as shrinkage is undoubtedly the most important material property for long term durability in repair mortars. Consensus on shrinkage being so paramount for the success of repairs is an established fact, however test method to determine shrinkage continue to be debated in different forums and associations. Factors such as size, geometry, environmental curing conditions, etc. all play a role in the shrinkage numbers that are reported by different test methods. Sika has taken the approach of not choosing any one specific test to understand dimensional stability in SikaTops and have elected to test four well known and widely accepted test methods to understand shrinkage and resultant likelihood of cracking in SikaTops.

Internal and Independent test reports confirm Sika Tops have yet again proved very well in all the four test methods, by far exceeding the industry requirements and benchmarks. The bar has yet again been raised by the most reliable and credible repair mortar family known to the US market!
PRODUCT PORTFOLIO

With an outstanding track record of forty years and a nationally recognized portfolio of projects, this product family has withstood the test of time and durability. A repair mortar for every application, whether trowel grade, flowable, or a gel mortar for overhead repairs, SikaTop has it all!

SikaTop® Range Overview

<table>
<thead>
<tr>
<th>SikaTop 123 Plus</th>
<th>SikaTop 122 Plus</th>
<th>SikaTop 111 Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application:</td>
<td>Vertical/Overhead</td>
<td>Horizontal</td>
</tr>
<tr>
<td>Max Lift Depth:</td>
<td>1.5&quot;</td>
<td>1&quot;-Neat / 4&quot;</td>
</tr>
<tr>
<td>Shrinkage &lt;0.05%</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ANSI/NSF 61</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Corrosion Inhibitor</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Foot Traffic:</td>
<td>N/A</td>
<td>4-6 hrs.</td>
</tr>
<tr>
<td>Unit Weight:</td>
<td>44 lbs.</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>Yield:</td>
<td>0.39 cu.ft.</td>
<td>0.5 cu.ft.</td>
</tr>
</tbody>
</table>

SikaTop® 123 PLUS
Vertical & Overhead Mortar

FEATURES
- 1.5" in one lift
- Thermally compatible with concrete
- Second lift in as little as 30 minutes

KEY PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Properties</th>
<th>PDS Values</th>
<th>Test</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shrinkage - 28 days</td>
<td>&lt;0.05%</td>
<td>ASTM C1583</td>
<td></td>
</tr>
<tr>
<td>Ring Test</td>
<td>&gt;60 days</td>
<td>ASTM C1581</td>
<td></td>
</tr>
<tr>
<td>Compressive Strength - 1 day</td>
<td>3,000 psi</td>
<td>ASTM C109</td>
<td></td>
</tr>
<tr>
<td>Compressive Strength - 28 day</td>
<td>6,000 psi</td>
<td>ASTM C109</td>
<td></td>
</tr>
<tr>
<td>Bond Strength - 28 days</td>
<td>1,650 psi</td>
<td>ASTM C882</td>
<td></td>
</tr>
<tr>
<td>Freeze Thaw Resistance - 300 cycles</td>
<td>98%</td>
<td>ASTM C666</td>
<td></td>
</tr>
</tbody>
</table>
## SikaTop® 122 PLUS
### Horizontal Trowel Grade Mortar

### FEATURES
- Exceptional use in sloped applications
- Excellent carbonation resistance
- USDA for food contact

### SikaTop® 111 PLUS
### Horizontal Screed Mortar

### FEATURES
- Free flowing for difficult areas
- Up to 6” lifts extended
- Foot traffic in as little as 4 hours

### KEY PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Properties</th>
<th>PDS Values</th>
<th>Test</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shrinkage - 28 days</td>
<td>&lt;0.05%</td>
<td>ASTM</td>
<td>C1583</td>
</tr>
<tr>
<td>Ring Test</td>
<td>&gt;60 days</td>
<td>ASTM</td>
<td>C1581</td>
</tr>
<tr>
<td>Compressive Strength - 1 day</td>
<td>2,500 psi</td>
<td>ASTM</td>
<td>C109</td>
</tr>
<tr>
<td>Compressive Strength - 28 day</td>
<td>7,000 psi</td>
<td>ASTM</td>
<td>C109</td>
</tr>
<tr>
<td>Bond Strength - 28 days</td>
<td>2,200 psi</td>
<td>ASTM</td>
<td>C882</td>
</tr>
<tr>
<td>Freeze Thaw Resistance - 300 cycles</td>
<td>98%</td>
<td>ASTM</td>
<td>C666</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Properties</th>
<th>PDS Values</th>
<th>Test</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shrinkage - 28 days</td>
<td>&lt;0.05%</td>
<td>ASTM</td>
<td>C1583</td>
</tr>
<tr>
<td>Ring Test</td>
<td>&gt;60 days</td>
<td>ASTM</td>
<td>C1581</td>
</tr>
<tr>
<td>Compressive Strength - 1 day</td>
<td>2,500 psi</td>
<td>ASTM</td>
<td>C109</td>
</tr>
<tr>
<td>Compressive Strength - 28 day</td>
<td>6,500 psi</td>
<td>ASTM</td>
<td>C109</td>
</tr>
<tr>
<td>Bond Strength - 28 days</td>
<td>2,000 psi</td>
<td>ASTM</td>
<td>C882</td>
</tr>
<tr>
<td>Freeze Thaw Resistance - 300 cycles</td>
<td>98%</td>
<td>ASTM</td>
<td>C666</td>
</tr>
</tbody>
</table>
PROJECT GALLERY
Structures strengthened with Sika’s product solutions and services

**MIAMI CITY HALL BUILDING**
- **Owner:** City of Miami
- **Location:** Miami, FL
- **Year:** 2008
- **Product:** SikaWrap® 230C
- **Application:** Strengthening of columns
- **Significance:** Renovation of the 1927 Old Miami City Hall Building - A Historic Landmark
- **Award:** ICRI Award of Merit - 2008

**TODD BOLENDER CENTER**
- **Owner:** Todd Bolender Center for Dance and Creativity
- **Location:** Kansas City, MO
- **Year:** 2011
- **Product:** SikaTop® 123 Plus
- **Application:** Exterior concrete repair
- **Significance:** Transformation of industrial building into ballet center
- **Awards:** ICRI Project of the Year - 2011

**FRENCHMAN’S REEF**
- **Owner:** Diamond Rock Hospitality
- **Location:** St. Thomas, U.S.V.I.
- **Year:** 2011
- **Product:** SikaTop® 123 & 122
- **Application:** Balcony and Column repairs
- **Significance:** Durable repairs for a structure in a highly corrosive environment
- **Awards:** ICRI Award of Merit - 2011

**OHIO HORSESHOE STADIUM**
- **Owner:** Ohio State University
- **Location:** Columbus, OH
- **Year:** 2001
- **Product:** SikaWrap® 103C
- **Application:** Strengthening of columns
- **Significance:** Meet the building code / time sensitive repair
- **Award:** ICRI Project of the Year - 2001

*Image courtesy of [www.flickr.com](http://www.flickr.com)*
BAYLOR CANCER CENTER

**Owner:** Baylor Medical Center  
**Location:** Dallas, TX  
**Year:** 2011  
**Product:** SikaTop® 111 Plus  
**Application:** Beam enlargement  
**Significance:** Budling and Section enlargement of beams  
**Award:** ICRI Award of Excellence - 2011

Baltimore arts school

**Owner:** City of Baltimore  
**Location:** Baltimore, MD  
**Year:** 2013  
**Product:** SikaTop® 123 Plus  
**Application:** Concrete repair  
**Significance:** Corrosion damaged concrete repair  
**Award:** ICRI Project of the Year - 2013

Louisiana state university

**Owner:** Louisiana State University  
**Location:** Baton Rouge, LA  
**Year:** 2013  
**Product:** SikaTop® 123 Plus  
**Application:** Concrete repair  
**Significance:** Corrosion damaged concrete repair  
**Awards:** ICRI Award of Merit - 2013

945 Green street

**Owner:** Privately Owned  
**Location:** San Francisco, CA  
**Year:** 2013  
**Product:** SikaTop® 123 Plus  
**Application:** Concrete repair  
**Significance:** Durable repairs for a structure in a highly corrosive environment  
**Awards:** ICRI Award of Excellence - 2014
SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:

WATERPROOFING  CONCRETE  REFURBISHMENT
SEALING AND BONDING  FLOORING  ROOFING

FOR MORE INFORMATION:

All sales of Sika products are subject to Sika’s current Terms and Conditions of Sale available at www.sikausa.com or by calling 201-933-8800. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Material Safety Data Sheet, which are available at www.sikausa.com or by calling Technical Services at 1-800-933-7452. Nothing contained in any Sika 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 Data Sheet, product label and Material Safety Data Sheet prior to product use.

The sale of all Sika products are subject to the following Limited Warranty:

LIMITED MATERIAL WARRANTY

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.

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.

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheets prior to any use and processing.

Contact Sika:
Phone: 1-800-933-SIKA (Nationwide)
Website: www.sikausa.com

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 201-933-8800
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

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

© Sika Corporation / Target Market Refurbishment / 06/1892.5 / 07/16
ISO 9001
Certificate # FM 69711
RC 14001
Certificate # RC 510999