

Also available from Sika for Building Facades and Balconies



1-Building Restoration, 2-Protective Coatings for Concrete Building Facades, 3-Technology and Concepts for Repair and Protection, 4-SikaWrap and CarboDur Composites, 5-Sika FerroGard 903, 6-Quality and Durability in Concrete Repair and Protection

Sika's Concrete Restoration Systems (CRS) consists of specifications and diagrams for a comprehensive approach to concrete repair and protection.

Technical and computer-generated specification components are available immediately via fax or email. Call your Sika Tech center at **1-800-933-SIKA**

PREP-013
Expansion Joints

SC-071 Sikaflex® 2c NS/SL Expansion Joint Filler

SC-071 Sikaflex® 2c NS/SL Crack Filler



Contact Sika At:
 Phone: 1-800-933-SIKA NATIONWIDE
 Website: www.sikaconstruction.com

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

Sika Mexicana S.A. de C.V.
 Carretera Libre Celaya Km. 8.5
 Corregidora, Queretaro
 C.P. 76920 A.P. 136
 Phone: 52 42 25 0122
 Fax: 52 42 25 0537

Sika Canada, Inc.
 601 Delmar Avenue
 Pointe Claire,
 Quebec H9R4A9
 Phone: 514-697-2610
 Fax: 514-694-2792

Building Facades and Balconies

Sika Solutions For Concrete Construction, Repair And Protection.



-High Durability Concrete



-Facade Joint Sealing/Waterproofing



-Balcony Coating/Waterproofing



-Concrete Repair



-Concrete Protection/Waterproofing



-Structural Strengthening





Sika Solutions For Building Facades and Balconies



High Durability Concrete

Requirements:
Excellent long-term resistance to freeze/thaw cycling and cracking. Low permeability to resist steel corrosion from carbonation (pH loss) or chlorides(salts). Excellent pumpability and flow characteristics.

Sika Solution:

- ▲ **Sikament**...high range water reducers (superplasticizers)
- ▲ **SikaPump**...pumping and consolidation aid
- ▲ **Sika AER**...air-entraining admixtures for freeze/thaw resistance
- ▲ **Sika FerroGard 901**...corrosion inhibiting admixture



Concrete Repair

Requirements:
Spall/patch repairs with excellent adhesion. Protection to exposed reinforcing steel. Level rough surfaces and fill bugholes prior to coating. Repair cracks as required.

Sika Solution:

- ▲ **Sika Armatec 110**...anti-corrosion coating/bonding agent
- ▲ **SikaTop Plus** repair mortars...polymer-modified repair mortar with corrosion inhibitor
- ▲ **Sikadur** injection resins...epoxy resins for repair of structural cracks



Facade Joint Sealing/Waterproofing

Requirements:
Watertight expansion joints able to withstand excessive joint movements in facade elements without failure. High performance adhesion on most substrates without a primer. Sealant must be paintable. must not stain the substrate, and must be available in a variety of colors.

Sika Solution:

- ▲ **Sikaflex 15LM**...high performance, 1-part polyurethane sealant with extreme movement capabilities (+100/-50%)
- ▲ **Sikaflex 1A**...high performance, sealant with good movement capabilities (+/-25%)
- ▲ **Sikaflex 2c**...high performance, 2-part polyurethane sealant (available in self-leveling and non-sag grade), also available in over 50 standard colors.



Concrete Protection/Waterproofing

Requirements:
Corrosion protection to areas outside patch repairs against carbonation, chlorides, and water infiltration.

Sika Solution:

- ▲ **Sikagard 550W/670W** anti-carbonation coatings...protective coatings in various colors; crack-bridging or rigid coatings available
- ▲ **Sika FerroGard 903**...surface applied corrosion inhibiting impregnation to protect surrounding areas from latent corrosion damage
- ▲ **Sikagard 701W**...penetrating sealer/water and chloride repellent



Balcony Coating/Waterproofing

Requirements:
Watertight balcony surfaces that are resistant to deicing salts or other chloride sources, carbonation (pH loss), and all sources of water. Good abrasion and slip resistance.

Sika Solution:

- ▲ **Sikadur Balcony System**...epoxy resin-based, water impermeable protective overlay system. Also provides a comfortable, slip resistant surface.
- ▲ **SikaColor Balcony System**...acrylic, high build, waterproof, textured, decorative coating.
- ▲ **Sikagard 701W**...penetrating sealer/water and chloride repellent



Structural Strengthening

Requirements:
Flexural and shear strengthening systems to reinforce structurally deficient beams, floor slabs, columns, girders, etc. Must be easy to install with little disruption to the building.

Sika Solution:

- ▲ **Sika CarboDur** strips...carbon fiber strips for tensile/flexural strengthening
- ▲ **SikaWrap** fabrics...carbon, glass, or hybrid fabrics for shear strengthening and column wrapping
- ▲ **Sikadur** structural adhesives...structural, moisture-tolerant epoxy resins for bonding composites to concrete members