

Product Data Sheet  
Edition 5.12.2009  
Sikagard® 215

# Sikagard® 215

## High Solids Reinforced/Resinous Wall and Ceiling Surfacing

**Description** Sikagard 215 RF System: Fiber Reinforcement Filled Coating includes temperature resistant reinforcement fibers enabling quick, easy application using a roller. Sikagard 215 RF System consists of two coats of Sikagard 215 Resin and Sikafloor 215 Hardener. Should be topcoated with a variety of available Sika topcoats. Typical Sikagard 215 RF application thickness: 20 mils DFT.

**Where to Use**

- Pharmaceutical & cosmetic manufacturing facilities
- Food & beverage processing facilities
- Health care facilities
- Operating rooms, scrub rooms, intensive care & therapy rooms
- "Clean room environments" for pharmaceutical, animal research & electronic facilities
- Class 10 to Class 1,000 performance areas
- Commercial kitchens, dishwasher & waste disposal areas
- Environments where high impact walls are required

**Advantages**

- Seamless surface
- Easily cleaned via wash downs
- Maximum impact & chemical resistance
- No static cling
- May be applied to a variety of substrates
- Good abrasion resistance
- Unaffected by most temperature variations

**Chemical Resistance** Please refer to the appropriate chemical resistance guide of the topcoat used over Sikagard 215 or contact Sika Industrial Flooring Technical Service for specific chemical recommendations at 800-933-SIKA.

**How to Use**  
**Surface Preparation**

All substrates must be sound, clean, dry and free from all contaminants and form release agents. Surface should be checked for soundness and any "hollow" areas should be removed. All depressions or spalled areas and cracks should be properly repaired with the appropriate Sika concrete repair & protection materials. Adhere to preparation and application instructions of the repair product used. Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by sand blasting, grinding or equivalent mechanical means. (CSP-3 as per ICRI guidelines). Surfaces should be thoroughly vacuumed to remove surface dirt and dust. Surface and air temperature must be a minimum of 55°F(12.7°C) during installation and cure. Provide sufficient air movement to prevent condensation on surface during installation. After suitable preparation has been completed, mask all surfaces that require protection. If cove base is present, mask appropriately. Make certain all areas are covered that could be damaged by overspray for spray applications. For new drywall, CMU or poured-in-place concrete walls, all Sikagard Descoglas™ systems can be pre-primed as outlined below. **Important note: Pre-prime preparation materials must be pre-approved by Sika Flooring Technical Service.**

Primer	Substrate	Prep Material
	- New drywall	100% Acrylic drywall primer*
	- Concrete masonry unit (cmu)	block filler**
	- Poured-in-place concrete	block filler**

\* Ensure complete saturation of drywall substrate to minimize "soak in" of subsequent Sikagard DESCOGLAS™ coats.

\*\* Consult Sika Technical Service for recommendations for block filler.

\* Ensure complete saturation of drywall substrate to minimize "soak in" of subsequent

### Typical Data

<b>Flexibility</b>	ASTM D-522-88	Passes 1" mandrel without cracking
<b>Impact Resistance</b>	Gardner Impact Tester	> 160 in/lb
<b>Abrasion Resistance</b>	ASTM D-1044-90	0.019 gram loss
<b>VOC (g/l)</b>	ASTM D2369-07	11.3 g/l

**Packaging:** Sikagard 215 Resin and Sikafloor 215 Hardener are packaged in full 5 gallon (18.9 L) pails.

Industrial Flooring

**Sika**®

# Industrial Flooring

<b>Mixing</b>	Mechanically premix the Sikagard 215 RF Resin and Sikafloor 215 Hardener separately using a variable speed drill and Jiffy mixer (300-450 rpms). Mix for two minutes or until uniform, exercising caution not to introduce air into the material. Blend together 2.25 parts Sikagard 215 RF Resin and 1 part Sikafloor 215 Hardener and mix thoroughly for 2 minutes.
<b>Application</b>	Application of Sikagard 215 Resin/Sikafloor 215 Hardener material use 3/8" nap roller, a 1/2' nap roller may be required on certain substrates.
<b>Cure Mechanism</b>	At a temperature of 70°F (21.1°C), allow the systems to cure a minimum of 48 hours before returning to full service.
<b>Critical Recoat Time</b>	Sikagard 215 Resin/Sikafloor 215 Hardener is 8-24 hours based upon 75°F(23.8°C) and 50% relative humidity. Refer to individual topcoat data sheets for recoat times.
<b>Limitations</b>	<ul style="list-style-type: none"><li>■ Minimum/Maximum substrate temperature: 60°F/85°F (15.5°C/30°C).</li><li>■ Minimum/Maximum relative humidity: 10%/85%.</li><li>■ Substrate temperature must be at least 5°F (3°C) above measured dew point.</li><li>■ Determine the surface moisture content by using an impedance moisture meter designed for use on concrete as detailed in ASTM E-1907. Acceptable test results shall be 4% by mass or less.</li><li>■ Do not use on exterior, on-grade substrates.</li><li>■ Do not thin this product. Addition of thinners will slow the cure and reduce the ultimate properties of this product.</li><li>■ Will discolor over time when exposed to sunlight (UV) and under certain artificial lighting conditions. UV resistant, light stable topcoats are available where ultimate color/clarity retention is required.</li></ul>
<b>Caution</b>	<p><b>COMPONENT R: WARNING: IRRITANT, SENSITIZER</b> Contains Modified Epoxy Resin (Mixture), Titanium Dioxide (CAS: 13463-67-7), Alkyl Glycidyl Ether (CAS: 68609-97-2) and Nonylphenol (CAS: 84852-15-3) May cause eye/skin/respiratory irritation. May cause skin and respiratory tract sensitization. May be harmful if swallowed.</p> <p><b>COMPONENT H: Sikafloor 215 Satin Hardner: WARNING: CORROSIVE, IRRITANT, SENSITIZER.</b> Contains Amines (Mixture) and Benzyl Alcohol (CAS: 100-51-6). Harmful if swallowed. Corrosive to eyes. May cause eye/skin and respiratory tract burns. May cause respiratory tract / skin sensitization. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and central nervous system damage.</p> <p>Deliberate concentration of vapors of 'R' &amp;/or 'H' components for purposes of inhalation is harmful and can be fatal.</p>
<b>First Aid</b>	<b>Eyes</b> – Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin</b> – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation</b> – Remove to fresh air. <b>Ingestion</b> – Do not induce vomiting. Dilute with water. <b>Contact physician. In all cases contact a physician immediately if symptoms persist.</b>
<b>Handling and Storage</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/ clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use.
<b>Clean Up</b>	Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. Use personal protective equipment (chemical resistant gloves/ goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.
<b>Additional Info</b>	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on <a href="http://www.sikafloorusa.com">www.sikafloorusa.com</a> . Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control. Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or Sika Technical Service. Previously applied finishes are subject to practical field evaluation to determine appropriate preparation, primers, etc. Masonry backings may require cement plaster finish if it is desirable to have the wall in perfect plane.



**Sika**®

# Industrial Flooring

The Sika logo consists of the word "Sika" in a bold, yellow, sans-serif font, positioned inside a red triangle that points downwards.

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY**

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at [www.sikacorp.com](http://www.sikacorp.com) or by calling 800-933-7452.

**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 Technical Data Sheet, product label and Material Safety Data Sheet which are available online at [www.sikafloorusa.com](http://www.sikafloorusa.com) or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.**

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 Technical 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. SIKASHALL NOT BELIEABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKASHALL 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.**

Visit our website at [www.sikafloorusa.com](http://www.sikafloorusa.com)

1-800-933-SIKA NATIONWIDE

**Regional Information and Sales Centers.** For the location of your nearest Sika sales office, contact your regional center.

**Sika Corporation**  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: 800-933-7452  
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

