

## PRODUCT DATA SHEET

# Sika® Ucrete® RG

(formerly Ucrete® RG)

Hygienic, heavy-duty polyurethane render and coving mortar

### PRODUCT DESCRIPTION

Sika® Ucrete® RG is a heavy-duty polyurethane render and coving mortar. It has very good resistance to aggressive chemicals, heavy abrasion and temperatures up to 248°F (120°C).

### USES

Sika® Ucrete® RG is used as a render and mortar for Sika® Ucrete® flooring systems.

Sika® Ucrete® RG is used within wet and dry process areas including the following application areas:

- Food and beverage facilities
- Pharmaceutical facilities
- Chemical and processing facilities
- Manufacturing facilities and workshops
- Bunding areas
- Drainage channels
- Tank bases
- Sumps
- Effluent storage pits
- Coving and skirting

Please note:

- The Product may only be used by experienced professionals.

### PRODUCT INFORMATION

<b>Chemical Base</b>	Water-based polyurethane cement hybrid
<b>Packaging</b>	Refer to the current price list for available packaging variations.
<b>Shelf Life</b>	Always refer to the best-before date of the individual packaging.
<b>Storage Conditions</b>	The Product must be stored in original, unopened and undamaged sealed

### CHARACTERISTICS / ADVANTAGES

- Expert installation by fully trained applicators
- Does not support bacterial or mold growth
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed
- Very good resistance to a wide range of chemicals
- Very good mechanical resistance
- Impermeable to liquids
- Non-tainting from the end of mixing
- Low VOC emissions
- Thermal expansion properties similar to concrete

### APPROVALS / STANDARDS

- Food and Beverage Facilities Suitability, Sika® Ucrete®, HACCP, Test Report No. I-PE-769-SA-2-RG-06b
- Halal Certification Europe (HCE), Sika® Ucrete®, WHFC, Certificate No. 21453-2/1/1/Y1
- Indoor Air Comfort Gold EN 16516, Sika® Ucrete®, eurofins, Certificate No. IACG-321-01-01-2023

packaging in dry conditions at temperatures between 41°F and 86 °F. Always refer to the packaging.

Refer to the current Safety Data Sheet for information on safe handling and storage.

<b>Color</b>	Cured color	Red, Orange, Yellow, Cream, Grey, Light Grey, Green, Light Green, Green/ Brown, Blue.
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## TECHNICAL INFORMATION

<b>Compressive Strength</b>	Cured 28 days at 73°F	7542 psi	(ASTM C579)
<b>Flexural Strength</b>	Cured 28 days at 73°F	2176 psi	(ASTM C580)
<b>Tensile Strength</b>	Cured for 28 days at 68°F	1015 psi	(ASTM C307)
<b>Tensile Adhesion Strength</b>	> 290 psi (concrete failure)		(ASTM D4541)
<b>Water permeability</b>	Sika® Ucrete® RG exhibits zero absorption when tested to CP.BM2/67/2.		
<b>Chemical Resistance</b>	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
<b>Reaction to Fire</b>	Class B <sub>fl</sub> -s1		(EN 13501-1)

## APPLICATION INFORMATION

Coverage	Layer	Product	Consumption
	Wearing layer	Sika® Ucrete® RG	12 ft <sup>2</sup> /kit for 1/8" 10 ft <sup>2</sup> /kit for 3/16"
<b>Product Temperature</b>	Maximum		77°F
	Minimum		59°F
<b>Ambient Air Temperature</b>	Maximum		77°F
	Minimum		59°F
<b>Substrate Temperature</b>	Maximum		77°F
	Minimum		59°F
<b>Cure Time</b>	<b>Substrate temperature</b>		<b>Return to traffic</b>
	46°F		< 24 hours

Note: Times are approximate and will be affected by changing ambient and substrate conditions.

## 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.

## AVAILABILITY/WARRANTY

Select from the following specification clauses as required:

- A 1/4 inch Sika® Ucrete® RG floor is fully resistant to high temperature spillage and discharge up to 158°F and is fully steam-cleanable. Suitable for freezer temperatures down to 5°F.
- A 3/8 inch Sika® Ucrete® RG floor is fully resistant to liquid spillage and discharge up to 176°F and can be lightly steam-cleaned. Suitable for freezer

- temperatures down to -13°F.
- A 1/2 inch Sika® Ucrete® RG floor is fully resistant to high temperature spillage and discharge up to 248°F and is fully steam-cleanable. Suitable for freezer temperatures down to -40°F.

## 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.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

#### IMPORTANT

#### Reduced service life due to incorrect treatment of cracks

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

1. For static cracks, ensure the width is suitable for overcoating with Sika® Ucrete® RG.
2. For dynamic cracks, ensure the movement is within the movement capacity of Sika® Ucrete® RG.

#### TREATMENT OF JOINTS AND CRACKS

Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

The System can be applied on green or damp concrete with no standing water. Allow for at least 3 days for early concrete shrinkage to occur to prevent shrinkage cracks from appearing on the wearing surface.

Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 3625 psi, 25 N/mm<sup>2</sup>) with a minimum tensile strength of 217 psi.

Substrates must be clean, dry and free of contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

#### APPLICATION

Application must be undertaken by a fully trained Sika® Ucrete® applicator.

## 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](http://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.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

### Sika Corporation

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: +1-800-933-7452  
Fax: +1-201-933-6225  
[usa.sika.com](http://usa.sika.com)



### Product Data Sheet

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