

SYSTEM DATA SHEET

Sika® Ucrete® SLB

SELF-LEVELING POLYURETHANE CEMENTITIOUS MORTAR ENGINEERED WITH SIKA® UCURETE® HS24 NA @ 80 - 160 MILS (2 - 4 MM)

PRODUCT DESCRIPTION

Sika® Ucrete® SLB is a water dispersed polyurethane based/cement and aggregate screed. It is designed to be installed as a self leveling floor topping that provides an easy-to-clean, slip resistance and is typically used for general, industrial and commercial applications. Sika® Ucrete® SLB represents superior polyurethane/cement technology, combining easier application and improved performance. Sika® Ucrete® SLB typically is installed at 80 - 160 mils (2 - 4 mm).

USES

Sika® Ucrete® SLB may only be used by experienced professionals.

- Typically used in areas of medium to heavy loading and abrasion, self-leveling layer in general industrial areas, including warehouses, production facilities, laboratories and workshops, either with or without a Sikafloor® sealer top coat.
- As broadcast receiving coat, slip-resistant screed in industrial and commercial environments, with a suitable UV-stable Sikafloor® sealer for retention of aesthetics.
- When used as a base coat or layer for a MVT system, the minimum thickness of the Sika® Ucrete® HS24 NA is 125 mils. This is the minimum thickness prior to the broadcast of any aggregate.

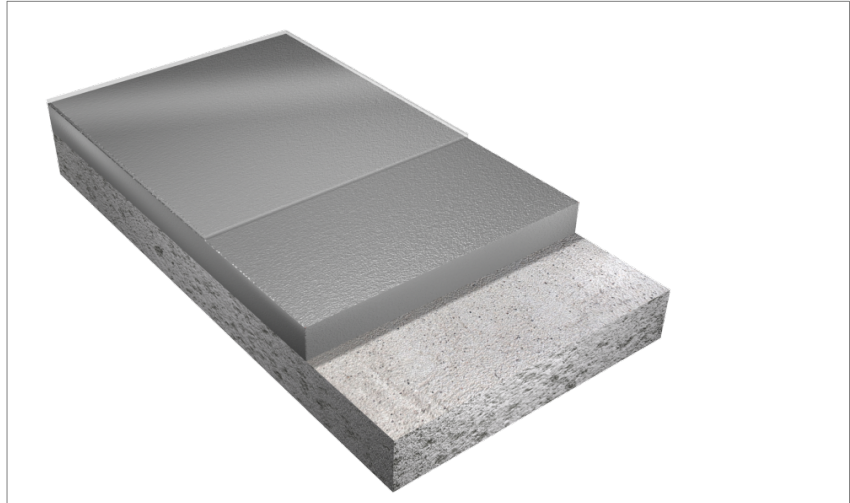
CHARACTERISTICS / ADVANTAGES

- Can be applied on green concrete, typically 7-10 days. Full 28 days cure time is not necessary.
- Can be applied over partially cured concrete substrates (> 4% mass (pbw –part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter surface moisture).
- Can be applied to concrete substrates where <100 % relative humidity is measured as per ASTM F2170.
- Resists a very wide range of organic and inorganic acids, alkalis, amines, salts and solvents. Consult Sika Technical Service for full details. Refer to the Sika® Ucrete® HS24 NA Chemical Resistance Chart.
- Similar coefficient of thermal expansion to concrete allowing movement with the substrate through normal thermal cycling. It will perform and retain its physical characteristics through a wide temperature range from -40 °F (-40 °C) up to 248 °F (120 °C).
- Steam cleanable at 80 to 160 mils (2 to 4 mm) thickness.
- Non-tainting, odorless.
- Behaves plastically under impact / deforms but will not crack or debond.
- High abrasion qualities result from its aggregate structure.
- Maintain and extend existing expansion joints up through the Sika® Ucrete® Flooring System.
- Minimal maintenance costs, superior life cycle cost advantage versus tile.
- Meets the requirements of USDA for use in food plants.

SYSTEM INFORMATION

System Structure

Sika® Ucrete® SLB ~ 80 - 160 mils (2 - 4 mm)



Description	Products	Thickness mils
1. Slurry	Sika® Ucrete® HS24 NA + Sikafloor®-508 Aggregate	80 - 160
2. Top Coat	Sika® Ucrete® TC31 NA	15 - 20

Options		
Description	Products	Thickness mils
Primers	Sikafloor®-2570 WB	3 - 5
	Sika® Ucrete® TC31 NA	15 - 20
Alternate Top Coats	Sikafloor®-521 + Sikafloor® Urethane Pigment Pack	15 - 20

Color	Available in standard Sika® Ucrete® colors
Nominal thickness	80 - 160 mils (2 - 4 mm)
Minimum thickness	80 mils (2 mm)

TECHNICAL INFORMATION

Shore D Hardness	83	ASTM D2240 at 73 °F (23 °C) and 50% R.H
Abrasion Resistance	CS-17/1000 cycles/1000 g - 0.07g loss H-22/1000 cycles/1000 g - 0.24 g loss	ASTM D4060 at 73 °F (23 °C) and 50% R.H
Compressive Strength	6,961 psi (48 MPa) 28 days	ASTM 579 at 73 °F (23 °C) and 50% R.H
Flexural Strength	2,726 psi (18.8 MPa)	ASTM C580 at 73 °F (23 °C) and 50% R.H

Tensile Strength	1,290 psi (8.9 MPa)	ASTM C307 at 73 °F (23 °C) and 50% R.H
Coefficient of Thermal Expansion	3.02 x 10 ⁵ in/in/°F (5.43 x 10 ⁵ mm/mm/°C)	ASTM D696 at 73 °F (23 °C) and 50% R.H
Chemical Resistance	Please consult Sikafloor Technical Services	
Microbiological Resistance	Resistance to Fungi Growth Rated 0 (no growth) Resistance to Mold Growth Rated 10 (highest resistance)	ASTM G21 at 73 °F (23 °C) and 50% R.H ASTM D3273 at 73 °F (23 °C) and 50% R.H
Thermal Conductivity	Pass	ASTM C884 at 73 °F (23 °C) and 50% R.H
Indentation	~ 0%	MIL-PRF-24613 at 73 °F (23 °C) and 50% R.H
Water Absorption	0.10%	ASTM C413 at 73 °F (23 °C) and 50% R.H

APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
	1. Slurry	Sika® Ucrete® HS24 NA + Sikafloor®-508 Aggregate	107 @ 80 mils 0.15 lb/sq.ft
	2. Top Coat	Sika® Ucrete® TC31 NA	224 @ 15 mils
	Options		
	Description	Products	Approximates Sq.Ft./kit
	Primers	Sikafloor®-2570 WB	2,667 @ 3 mils
	Alternate Top Coats	Sika® Ucrete® TC31 NA	244 @ 15 mils
		Sikafloor®-521 + Sikafloor® Urethane Pigment Pack	475 @ 16 mils
Ambient Air Temperature	Minimum/Maximum 40°/100°F (4°/30°C)		
Substrate Temperature	Minimum/Maximum 40°/100°F (4°/30°C)		
Pot Life	Please refer to the individual Product Data Sheet		
Waiting / Recoat Times	Please refer to the individual Product Data Sheet		

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.

USES

Please refer to the individual Product Data Sheets for

limitations.

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

Concrete surfaces must be clean and sound. Remove all dust, dirt, existing paint films, efflorescence, exudates, laitance, form oils, hydraulic or fuel oils, brake fluid, grease, fungus, mildew, biological residues or any other contaminants which may prohibit a good bond.

Prepare the surface by any appropriate mechanical means, in order to achieve a profile equivalent to ICRI - CSP 3-6. The compressive strength of the concrete substrate should be at least 3,625 psi (25 MPa) at 28 days and a minimum of 218 psi (1.5 MPa) in tension at the time of application.

Repairs to cementitious substrates, filling of blowholes, leveling of irregularities, etc. should be carried out using an appropriate Sika profiling mortar. Contact Sika Technical Service for a recommendation.

Edge Terminations

All free edges of a Sika® Ucrete® floor, whether at the perimeter, along gutters or at drains, require extra anchorage to distribute mechanical and thermal stresses. This is best achieved by forming or cutting grooves in the concrete. Grooves should have a depth and width of 2 times thickness of the Sika® Ucrete® floor. Refer to the edge details provided at <http://usa.sika.com>.

If necessary, protect all free edges with mechanically attached metal strips. Do not feather edge, always turn into an anchoring groove.

Expansion Joints

Should be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibration movements, or around load-bearing columns and at vessel sealing rings. Refer to details provided at <http://usa.sika.com>.

MIXING

Please refer to the individual Product Data Sheet for each component.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



System Data Sheet
Sika® Ucrete® SLB
November 2025, Version 01.01
020814900000246228

APPLICATION

Please refer to the individual Product Data Sheet for each component.

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 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/about-us/terms-conditions-of-sale.html> or by calling 1-800-933-7452.

SikaUcreteSLB-en-US-(11-2025)-1-1.pdf

