

SYSTEM DATA SHEET

Sikafloor® MultiDur SL

SELF-LEVELING SMOOTH EPOXY SLURRY ENGINEERED WITH SIKAFLOOR®-264
AT 62 - 125 MILS (1.6 - 3.2 MM)

PRODUCT DESCRIPTION

Sikafloor® MultiDur SL is a self-leveling, solid color, resin rich, seamless epoxy slurry. Sikafloor aggregate is added during mixing to significantly extend the liquid resin volume without sacrificing desired physical properties. This reduces the neat resin cost compared to other self leveling coatings and maximizes resin economy allowing thicker applications that ultimately increase the coatings service life. Sikafloor® MultiDur SL is typically installed at 62 - 125 mils (1.6 - 3.2 mm).

USES

Sikafloor® MultiDur SL may only be used by experienced professionals.

Sikafloor® MultiDur SL may be installed over a Sikafloor-UEF Base System when moisture vapor tolerance and/or a temporary floor is desired.

- Cafeterias
- Laboratories and Clean rooms
- Institutional Facilities
- Manufacturing Plants
- Pharmaceutical Manufacturing
- Storage Areas

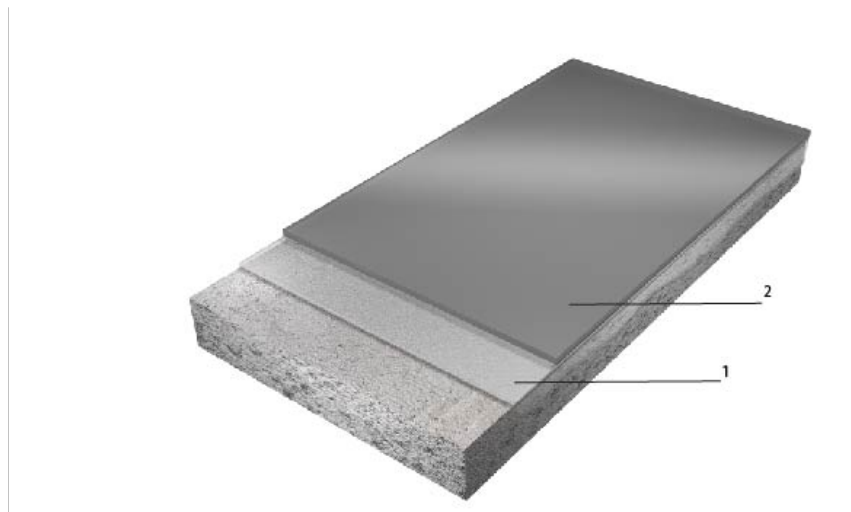
CHARACTERISTICS / ADVANTAGES

- High compressive strength
- Good mechanical resistance
- Good chemical resistance
- Superior aesthetic finish
- Durable, impermeable and seamless.
- Easily cleaned and maintained, resulting in a sanitary work environment
- Does not support growth of bacteria or fungus
- Neutral odor
- Wide range of standard and custom colors

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur SL ~ 62 - 125 mils (1.6 - 3.2 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161 Sikafloor®-264	8 - 10
2. Base Coat	+ Sikafloor®-504 Slurry	62 - 125
Options		
Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
	Sikafloor®-264	8 - 10
	Sikafloor®-511* + Sikafloor®-SCO Color Add	12 - 16
Top Coats	Sikafloor®-316 N** + Sikafloor®-SCO Color Add	4 - 6
	Sikafloor®-340** + Sikafloor®-Urethane Color Add	4 - 6

* Sikafloor-511 would be an optional top coat for superior UV resistance,color stability and increased chemical resistance

**Sikafloor-340 and Sikafloor-316 N would be an optional top coats for increased chemical and abrasion resistance

Color

Available in broad range of standard and custom colors. Please refer to Standard Color selection Guide and Contact Customer Service for custom colors availability.

Nominal thickness

62 - 125 mils (1.6 - 3.2 mm)

Minimum thickness

62 mils (1.6 mm)

TECHNICAL INFORMATION

Water Absorption	0.05 % 2 hours boiling	ASTM C413 at 73°F (23°C) and 50% R.H
Shore D Hardness	82	ASTM D2240 at 73°F (23°C) and 50% R.H
Abrasion Resistance	90 mg loss (CS-17/1000 rot/1000 g)	ASTM D4060 at 73°F (23°C) and 50% R.H
Compressive Strength	7,426 psi (51.2 Mpa)	ASTM C579 at 73°F (23°C) and 50% R.H
Tensile Strength	4,902 psi (33.8 Mpa)	ASTM D638 at 73°F (23°C) and 50% R.H
Flexural Strength	8,558 psi (59 Mpa)	ASTM D790 at 73°F (23°C) and 50% R.H
Tensile Adhesion Strength	>400 psi (2.7 MPa) (100 % concrete failure)	ASTM D4541 at 73°F (23°C) and 50% R.H
Elongation at Break	8.3 %	ASTM D638 at 73°F (23°C) and 50% R.H
Chemical Resistance	Contact Sika Technical Service for specific information.	
Water Vapor Transmission	0.33 g/hour/sq.ft	ASTM E96 at 73°F (23°C) and 50% R.H
Coefficient of Friction	0.6	ANSI 326.3 at 73°F (23°C) and 50% R.H

APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
1. Primer		Sikafloor®-161	900@8mils
		Sikafloor®-264	175@62.2mils
2. Base Coat		+	4.8 bags per
		Sikadur®-504 Slurry	4.5 gallon kit
Options			
Primers		Sikafloor®-1610	900@8mils
		Sikafloor®-165 FS	1,000@8mils
		Sikafloor®-264	900@8mils
		Sikafloor®-511	1,210@12mils
Top Coats		+	3 quarts per
		Sikafloor®-SCO Color Add	8.33 gallon kit
		Sikafloor®-316 N	2,400@4mils
		+	2 quarts per
		Sikafloor®-SCO Color Add	5.5 gallon kit
		Sikafloor®-340	2,200@4mils
	+	2 quarts per	
	Sikafloor®-Urethane Color Add	5 gallon kit	
Ambient Air Temperature	Minimum/Maximum 50/85 °F (10/30 °C)		
Substrate Temperature	Minimum/Maximum 50/85 °F (10/30 °C)		

PRODUCT INFORMATION

Packaging

Please refer to the individual Product Data Sheet

Shelf Life

Please refer to the individual Product Data Sheet

Storage Conditions

Please refer to the individual Product Data Sheet

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.

Primer

Priming for concrete substrate is required. Prime with either Sikafloor®- 160, Sikafloor®- 161, Sikafloor®- 1610 or Sikafloor®- 165 FS. Allow the primer to cure (varies with temperature and humidity) until tack free before applying subsequent membrane coats. Ensure that the primer is pore-free, pinhole-free and provides uniform and complete coverage over the entire substrate.

Please refer to the individual most current and respective Product Data Sheet for specific and detailed information.

MIXING

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

APPLICATION

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

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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.**

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System Data Sheet

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