

SYSTEM DATA SHEET

Sikafloor® MultiDur EC

EPOXY COATING SYSTEM ENGINEERED WITH SIKAFLOOR-264 AT 24 - 30 MILS (0.6 - 0.8 MM)

PRODUCT DESCRIPTION

Sikafloor® MultiDur EC is a solid color, high gloss, resin-rich, seamless, epoxy-based floor coating. This is well-suited for medium-duty traffic areas. This general service epoxy coating system delivers an easy to maintain smooth surface with good chemical and abrasion resistance. Sikafloor® MultiDur EC typically installed at 24 - 30 mils (0.6 - 0.8 mm).

USES

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

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

- Medium Duty Manufacturing
- Animal Care Facilities
- Institutions and Correctional Facilities
- Clinical Laboratories
- Walkways and Corridors

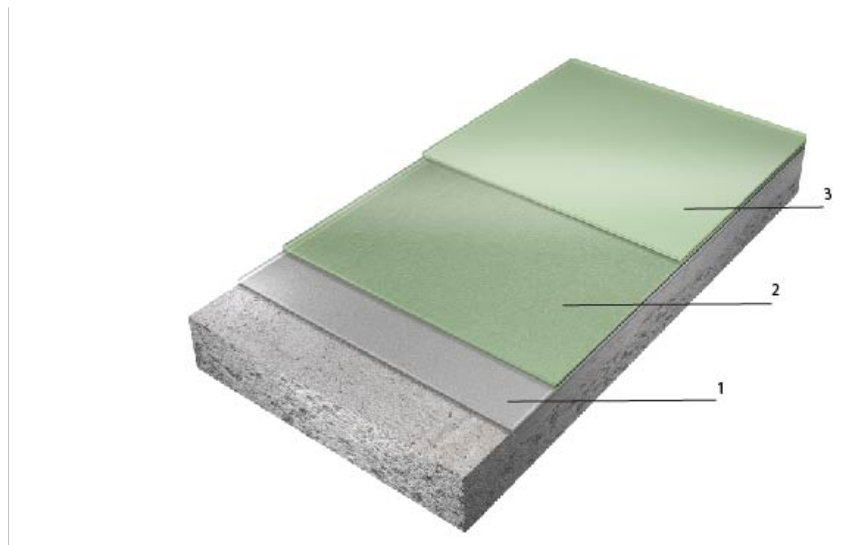
CHARACTERISTICS / ADVANTAGES

- Lower Maintenance and life cycle cost versus VCT tile and carpet.
- Durable, impermeable and seamless
- Easily cleaned and maintained for a sanitary work environment.
- Good chemical resistance
- Protects underlying substrate from a chemical and/or physical attack.
- Low odor/low VOC
- Wide range of standard and custom colors
- Optional Integral cove, base and curbs

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur EC ~ 24 - 30 mils (0.6 - 0.8 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161	8 - 10
2. Top Coat	Sikafloor®-264	8 - 10
3. 2 nd Top Coat	Sikafloor®-264	8 - 10

Options

Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
2 nd Top Coats	Sikafloor®-511* +	12 - 16
	Sikafloor®-SCO Color Add	
	Sikafloor®-316 N** +	4 - 6
	Sikafloor®-SCO Color Add	
	Sikafloor®-340** +	4 - 6
	Sikafloor®-Urethane Color Add	

* Sikafloor-511 would be an alternate 2nd topcoat to replace Sikafloor 264 for superior UV resistance, color stability, and increased chemical resistance

**Sikafloor-340 and Sikafloor-316 N would be an alternate 2nd topcoat optional top coat on top of Sikafloor-264 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 24 - 30 mils (0.6 - 0.8 mm)

Minimum thickness 24 mils (0.6 mm)

Volatile organic compound (VOC) content Please refer to the individual Product Data Sheets.

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-17/1000Rotations/1000g)	ASTM D-4060 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 D-638 at 73°F (23°C) and 50% R.H
Chemical Resistance	Contact Sika Technical Service for specific information.	
Water Vapor Transmission	0.33mg/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
2. Top Coat	Sikafloor®-264	900@8mils
3. 2 nd Top Coat	Sikafloor®-264	900@8mils
Options		
Primers	Sikafloor®-1610	900@8mils
	Sikafloor®-165 FS	1,000@8mils
2 nd Top Coats	Sikafloor®-511 +	1,210@12mils 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)
Waiting / Recoat Times	Please refer to the individual Product Data Sheets

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 or Smooth Finish Coating

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

Sikafloor-264 may be used as a primer on concrete substrates for Sikafloor Coating Systems subjected to light traffic. Please refer to the most current and respective Product Data Sheet for further 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.

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