

SYSTEM DATA SHEET

Sikafloor® MultiDur HS

AVIATION GRADE RESIN COATING SYSTEM ENGINEERED WITH SIKAFLOOR®-264
AT 28 - 38 MILS (0.7 - 0.9 MM)

PRODUCT DESCRIPTION

Sikafloor® MultiDur HS is a monolithic, solid color epoxy floor system with superior chemical resistance specifically designed for aircraft hangars and aviation environments. This system resists typical aviation fluids such as Jet-A-and Skydrol. Sikafloor® MultiDur HS typically installed at 28 -38 mils (0.7 - 0.9 mm).

USES

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

- Aircraft Maintenance Facilities
- Aircraft Hangars

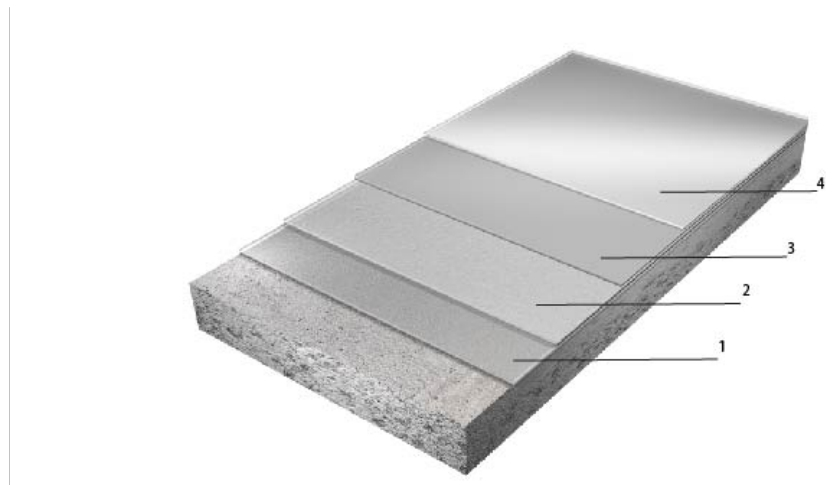
CHARACTERISTICS / ADVANTAGES

- Durable, impermeable and seamless
- Excellent chemical resistance
- High light reflection
- High compressive strength
- Protect substrate from chemical attack
- Provides good resistance to hydraulic fluids such Skydrol & Jet-A
- Optional Integral cove, base and curbs

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur HS ~ 28 - 38 mils (0.7 - 0.9 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161	8 - 10
2. Body Coat	Sikafloor®- 264	12 -16
3. Top Coat	Sikafloor®-340 + Sikafloor®- Urethane Color Add	4 - 6
4. Recommend 2 nd Top Coat	Sikafloor®-340 + Sikafloor®- Urethane Color Add	4 - 6
Options		
Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
Top Coats	Sikafloor®-316 N* + Sikafloor®-SCO Color Add	4 - 6

* Sikafloor-316 N would be an optional top coat for Low VOC.

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	28 - 38 mils (0.7 - 0.9 mm)
Minimum thickness	28 mils (0.7 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	18 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	8.3 %	ASTM D638 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
Chemical Resistance	Contact Sika Technical Service for specific information.	
Gloss level	90 (at 60 degrees)	ASTM D523 at 73°F (23°C) and 50% R.H
Water Vapor Transmission	0.33 g/hour/sq.ft	ASTM E96 at 73°F (23°C) and 50% R.H
Coefficient of Friction	0.45	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. Base Coat	Sikafloor®-264	600@12mils
	3. Top Coat	Sikafloor®-340	2,200@4mils
		+	
		Sikafloor®-Urethane color Add	2 quarts per 5 gallon kit
		Sikafloor®-340	2,200@4mils
		+	
	4. Recommended 2 nd Top Coat	Sikafloor®-Urethane color Add	2 quarts per 5 gallon kit
	Options		
	Primers	Sikafloor®-1610	900@8mils
		Sikafloor®-165 FS	1,000@8mils
		Sikafloor®-316 N	2,400@4mils
	Top coats	Sikafloor®-SCO color Add	2 quarts per 5.5 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 Sheets
Shelf Life	Please refer to the individual Product Data Sheets
Storage Conditions	Please refer to the individual Product Data Sheets

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-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.

Please refer to the most current and respective Product Data Sheet for further information.

MIXING

Please refer to the individual Product Data Sheets

APPLICATION

Please refer to the individual Product Data Sheets

LIMITATIONS

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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