BUILDING TRUST

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

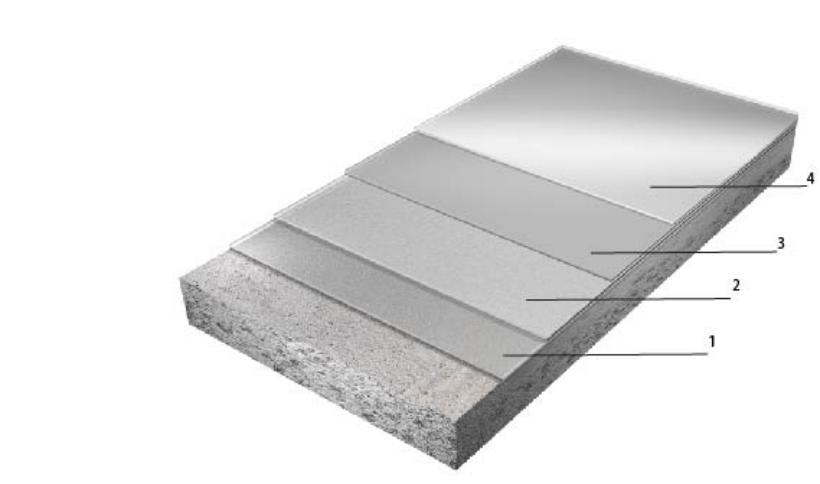
CHARACTERISTICS / ADVANTAGES

- 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 Pigment Pack	4 - 6
4. Recommended 2nd Top Coat	Sikafloor®-340 + Sikafloor® Urethane Pigment Pack	4 - 6

Options

Description	Products	Thickness mils
Primers	Sikafloor®-1620	12 - 15
	Sikafloor®-165 FS	8 - 10
Top Coats	Sikafloor®-315* + Sikafloor® Urethane Pigment Pack	3 - 4

* Sikafloor®-315 would be an optional top coat for Low VOC

Color	Available in a broad range of standard and custom colors. Please refer to the Standard Color selection Guide and contact Customer Service for custom color availability.
Nominal thickness	28 - 38 mils (0.7 - 0.9 mm)
Minimum thickness	28 mils (0.7 mm)

TECHNICAL INFORMATION

Shore D Hardness	80	ASTM D2240 at 73°F (23°C) and 50% R.H
Abrasion Resistance	27 mg loss (CS-17/1000 rot/1000 g)	ASTM D4060 at 73°F (23°C) and 50% R.H
Tensile Strength	6,745 psi (46 Mpa)	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
Coefficient of Friction	0.45 Wet / 0.68 Dry	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@8 mils
2. Base Coat	Sikafloor®-264	600@12 mils
3. Top Coat	Sikafloor®-340 + Sikafloor® Urethane Pigment Pack	2,200@4 mils 2 quarts per 5 gallon kit
4. Recommended 2nd Top Coat	Sikafloor®-340 + Sikafloor® Urethane Pigment Pack	2,200@4 mils 2 quarts per 5 gallon kit

Options

Description	Products	Approximates Sq.Ft./kit
Primers	Sikafloor®-1620	533@12 mils
	Sikafloor®-165 FS	1,000@8 mils
Top Coats	Sikafloor®-315 + Sikafloor® Urethane Pigment Pack	2,340@4 mils 2 quarts per 5.34 gallon kit

Ambient Air Temperature	Minimum/Maximum 50/85 ˚F (10/30 ˚C)
Substrate Temperature	Minimum/Maximum 50/85 ˚F (10/30 ˚C)

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.

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.

Primer

Priming for concrete substrate is required. Prime with either Sikafloor®-161, Sikafloor®-1620 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

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.

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