

## SYSTEM DATA SHEET

# Sikafloor® DecoDur Flake FS

DECORATIVE ABRASION RESISTANT AND UV STABLE SYSTEM ENGINEERED WITH  
FLOOR® - 511 @ 50 - 75 mils (1.3 - 1.9 mm)

SIKA-

## PRODUCT DESCRIPTION

Sikafloor® DecoDur Flake FS is a fast setting, single broadcast flake system using high solids polyaspartic and decorative flakes. This is a rapid return to service system that produces a decorative, easy to maintain, seamless floor with excellent durability and chemical resistance. Sikafloor® DecoDur Flake FS typically installed @ 50 - 75 mils (1.3 - 1.9 mm).

## USES

Sikafloor® DecoDur Flake FS may only be used by experienced professionals.

- Food preparation and serving areas
- Grocery stores
- Corridors and walkways
- Museums and galleries
- Offices and lobbies

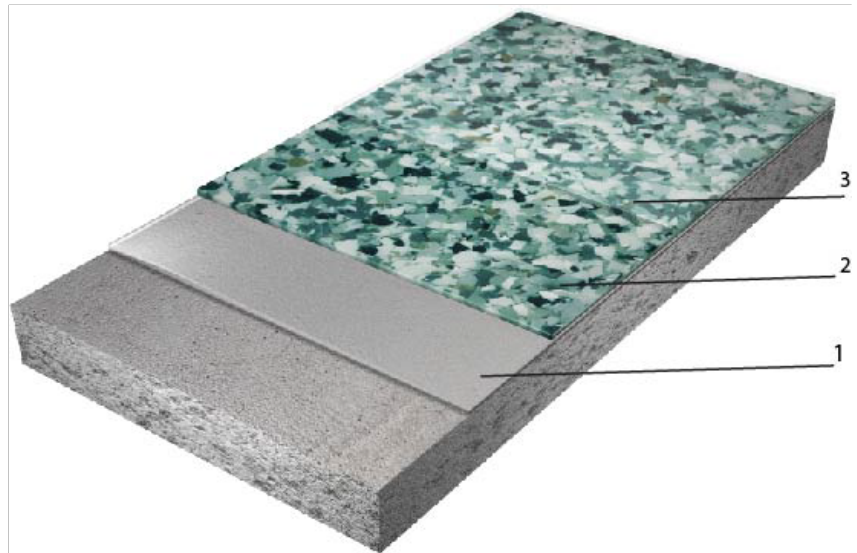
## CHARACTERISTICS / ADVANTAGES

- Fast curing, rapid return to service
- Customizable to any décor
- Resistant to chemicals, abrasions and impacts
- Low odor/low VOC
- Adjustable slip resistance
- Optional integrated cove base

# SYSTEM INFORMATION

## System Structure

Sikafloor® DecoDur Flake FS ~ 50-75 mils (1.3 - 1.9 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-165 FS Sikafloor®-511	8 - 10
2. Receiver Coat	+ Sikafloor®- SCO color Add + Sika Decorative Flake	10 - 15
3. Top Coat	Sikafloor®-511	12 - 15
<b>Options</b>		
Primer	Sikafloor®-1620	12 - 15
Receiver Coat	Sikafloor®-165 FS	10 - 12
2 <sup>nd</sup> Top Coats	Sikafloor®-315 N*	3 - 4
	Sikafloor®-304 W NA **	5 - 8

\*Sikafloor-315 N would be an optional topcoat on top of Sikafloor-511 increased chemical and abrasion resistance

\*\*Sikafloor-304 W NA would be an optional top coat on top of Sikafloor-511 for gloss reduction when matte finish required

<b>Color</b>	Clear or pigmented only with Sikafloor SCO Color Additive
<b>Nominal thickness</b>	50 - 75 mils (1.3 - 1.9 mm)
<b>Minimum thickness</b>	50 mils (1.3 mm)

## TECHNICAL INFORMATION

Water Absorption	0.44%	ASTM C413 at 73 °F (23 °C) and 50 % R.H
Shore D Hardness	75	ASTM D2240 at 73 °F (23 °C) and 50 % R.H
Abrasion Resistance	54 gm loss (CS-17) 1000 rotations/1000g	ASTM D4060 at 73 °F (23 °C) and 50 % R.H
Tensile Strength	6,500 psi (44.8 MPa)	ASTM C307 at 73 °F (23 °C) and 50 % R.H
Tensile Adhesion Strength	> 400 psi (2.7 MPa) (100 % concrete failure)	(ASTM D-1583)
Resistance to Thermal Shock	Pass	ASTM C884 at 73 °F (23 °C) and 50 % R.H
Chemical Resistance	Please refer to the individual Product Data Sheets	
Permeability to Water Vapor	0.3 g/h- m <sup>2</sup>	ASTM E96 at 73 °F (23 °C) and 50 % R.H
Coefficient of Friction	0.69	ANSI 326.3 at 73 °F (23 °C) and 50 % R.H

## APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
	1. Primer	Sikafloor®-165 FS	1,000@8mils
		Sikafloor®-511	1,333@10mils
		+	3 quarts per
	2. Receiver Coat	Sikafloor SCO Color Add	8.3 gallon per
		+	4 boxes per
		Sika Decorative Flakes	8.3 gallon kit
	3 Top Coat	Sikafloor 511	888@15mils
<b>Options</b>			
	Primer	Sikafloor®-1620	533@12mils
	Receiver Coat	Sikafloor®- 165 FS	1,000@8mils
	2 <sup>nd</sup> Top Coats	Sikafloor®-315 N	2,400@4mils
		Sikafloor®-340	555@5mils
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.

## LIMITATIONS

Please refer to the individual Product Data Sheets

## 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 Sikafloor®- 165 FS or Sikafloor®- 1620. 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 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](http://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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