



## SYSTEM DATA SHEET

# Sikafloor® DecoDur Flake FS

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

### 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

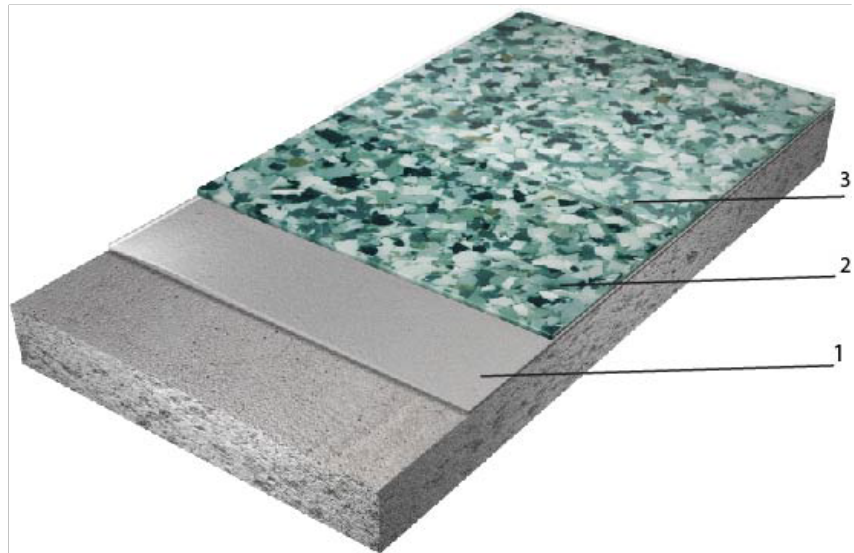
### CHARACTERISTICS / ADVANTAGES

- Fast curing, rapid return to service
- Customizable to any decor
- Highly chemical, abrasion and impact resistant
- 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<br>mils |
|---------------------------|--|-------------------|
| 1. Primer                 | Sikafloor®-165 FS<br>Sikafloor®-511                          | 8 - 10            |
| 2. Receiver Coat          | +<br>Sikafloor®- SCO color Add<br>+<br>Sika Decorative Flake | 10 - 15           |
| 3. Top Coat               | Sikafloor®-511   | 12 - 15           |
| <b>Options</b>            |  |                   |
| Primer                    | Sikafloor®-1610  | 8 - 10            |
| Receiver Coat             | Sikafloor®-165 FS  | 10 - 12           |
| 2 <sup>nd</sup> Top Coats | Sikafloor®-315 N*  | 4 - 6             |
|                           | 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)  |
| <b>Volatile organic compound (VOC) content</b> | Please refer to the individual Product Data Sheets        |

## TECHNICAL INFORMATION

|                             |  |   |
|-----------------------------|--|---|
| Water Absorption            | 0.44%  | ASTM C413<br>at 73 °F (23 °C) and 50 % R.H  |
| Shore D Hardness            | 75   | ASTM D2240<br>at 73 °F (23 °C) and 50 % R.H |
| Abrasion Resistance         | 54 gm loss (CS-17) 1000 rotations/1000g            | ASTM D4060<br>at 73 °F (23 °C) and 50 % R.H |
| Tensile Strength            | 6,500 psi (44.8 MPa)                               | ASTM C307<br>at 73 °F (23 °C) and 50 % R.H  |
| Tensile Adhesion Strength   | > 400 psi (2.7 MPa)<br>(100 % concrete failure)    | (ASTM D-1583)                               |
| Resistance to Thermal Shock | Pass   | ASTM C884<br>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<br>at 73 °F (23 °C) and 50 % R.H   |
| Coefficient of Friction     | 0.69   | ANSI 326.3<br>at 73 °F (23 °C) and 50 % R.H |

## APPLICATION INFORMATION

| Coverage                  | Description | Products                | Approximates<br>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®-1610         | 900@8mils                  |
| Receiver Coat             |             | Sikafloor®- 165 FS      | 1,000@8mils                |
| 2 <sup>nd</sup> Top Coats |             | Sikafloor®-315 N        | 2,400@4mils                |
|                           |             | Sikafloor®-304 W NA     | 595@5mils                  |

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

## 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.

## 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®- 1610. 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

## 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.

## LIMITATIONS

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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### System Data Sheet

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