

## SYSTEM DATA SHEET

# Sikafloor® DecoDur Flake FX

DECORATIVE FLAKE BROADCAST SYSTEM ENGINEERED WITH SIKAFLOOR® - 264  
@ 50 - 100 mils (1.3 - 2.5 MM)

## PRODUCT DESCRIPTION

Sikafloor® DecoDur Flake FX is an aesthetic, easy to clean, seamless floor using epoxy binder that is broadcast with a colored vinyl flake blend and sealed with a clear, or UV stable topcoat. The system is customizable with an extensive blend palette and may be double broadcast for increased thickness. Final surface options include: integral cove base, and variable surface texture to produce a range of slip-resistant finishes. Sikafloor® DecoDur Flake FX is typically installed @ 50 - 100 mils (1.3 - 2.5 mm).

## USES

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

- Cafeterias and restaurants
- Education facilities
- Retail stores
- Laboratories and clinics
- Healthcare facilities
- Lobbies and public spaces

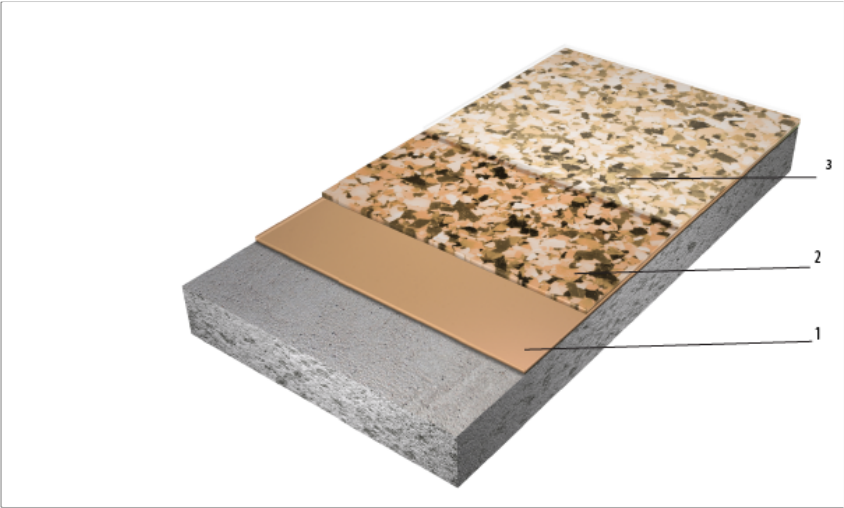
## CHARACTERISTICS / ADVANTAGES

- Easy to maintain seamless surface
- Durable, impermeable and seamless
- Abrasion, impact and chemical resistant
- Optional integral cove base and curbs without joints
- Low odor / low VOC

# SYSTEM INFORMATION

System Structure

Sikafloor® DecoDur Flake FX ~ 50 - 100 mils (1.3 - 2.5 mm)



**\*Single Broadcast System**

| Description      | Products                                     | Thickness mils |
|------------------|----------------------------------------------|----------------|
| 1. Primer        | Sikafloor®-161                               | 8 - 10         |
| 2. Receiver Coat | Sikafloor®-264<br>+<br>Sika Decorative Flake | 10 - 12        |
| 3. Top Coat      | Sikafloor®-217                               | 10 - 12        |

**\*\*Double Broadcast System**

| Description                      | Products                                     | Thickness mils |
|----------------------------------|----------------------------------------------|----------------|
| 1. Primer                        | Sikafloor®-161                               | 8 - 10         |
| 2. Receiver Coat                 | Sikafloor®-264<br>+<br>Sika Decorative Flake | 10 - 12        |
| 3. 2 <sup>nd</sup> Receiver Coat | Sikafloor®-217<br>+<br>Sika Decorative Flake | 12 - 16        |
| 4. Top Coat                      | Sikafloor®-217                               | 10 - 12        |

**\*\*\*Options**

| Description               | Products              | Thickness mils |
|---------------------------|-----------------------|----------------|
| Primers                   | Sikafloor®-1620       | 12 - 15        |
|                           | Sikafloor®-165 FS     | 8 - 10         |
| Alternate Receiver Coat   | Sikafloor®-511*<br>+  | 15 - 18        |
|                           | Sikafloor® SCO Color  |                |
| Alternate Top Coat        | Sikafloor®-511*       | 8 - 12         |
| 2 <sup>nd</sup> Top Coats | Sikafloor®-511*       | 12 - 15        |
|                           | Sikafloor®-217**      | 12 - 15        |
|                           | Sikafloor®-304 W NA** | 5 - 8          |
|                           | Sikafloor®-340***     | 4 - 6          |
|                           | Sikafloor®-315N**     | 3 - 4          |

\* Sikafloor®- 264 and Sikafloor®-217 may be replaced by Sikafloor®-511 for greater UV resistance, fast cure time

\*\*Sikafloor®-304 W NA would be an optional 2<sup>nd</sup> top coat on top of Sikafloor®-217 for gloss reduction or matte finish required

\*\*\* Sikafloor®-340 and Sikafloor®-315 N clear would be an optional 2<sup>nd</sup> top coat on top of Sikafloor®-217 for increased chemical resistance

**Color** Available in various standard color blends, refer to Sikafloor® DecoFlake® color guide.

**Nominal thickness** 50 - 100 mils (1.3 - 2.5 mm)

**Minimum thickness** 50 mils (1.3 mm)

## TECHNICAL INFORMATION

|                                    |                                                          |                                          |
|------------------------------------|----------------------------------------------------------|------------------------------------------|
| <b>Water Absorption</b>            | 0.13 % 2 hours boiling                                   | ASTM C413<br>at 73°F (23°C) and 50% R.H  |
| <b>Shore D Hardness</b>            | 82                                                       | ASTM D2240<br>at 73°F (23°C) and 50% R.H |
| <b>Abrasion Resistance</b>         | 58 mg loss (CS-17/1000 rotations/1000g)                  | ASTM D4060<br>at 73°F (23°C) and 50% R.H |
| <b>Compressive Strength</b>        | 7,978 psi (55.0 Mpa)                                     | ASTM C579<br>at 73°F (23°C) and 50% R.H  |
| <b>Tensile Strength</b>            | 5,078 psi (35.0 Mpa)                                     | ASTM D638<br>at 73°F (23°C) and 50% R.H  |
| <b>Flexural Strength</b>           | 9,284 psi (64.0 Mpa)                                     | ASTM D790<br>at 73°F (23°C) and 50% R.H  |
| <b>Tensile Adhesion Strength</b>   | >400 psi (2.7 MPa)<br>(100 % concrete failure)           | ASTM D4541<br>at 73°F (23°C) and 50% R.H |
| <b>Elongation at Break</b>         | 15%                                                      | ASTM D638<br>at 73°F (23°C) and 50% R.H  |
| <b>Chemical Resistance</b>         | Contact Sika Technical Service for specific information. |                                          |
| <b>Permeability to Water Vapor</b> | 0.33 g/hour/sq.ft                                        | ASTM E96<br>at 73°F (23°C) and 50% R.H   |
| <b>Coefficient of Friction</b>     | 0.6                                                      | ANSI 326.3<br>at 73°F (23°C) and 50% R.H |

## APPLICATION INFORMATION

**Coverage****\*Single Broadcast System**

| Description      | Products                                     | Approximates Sq.Ft./kit                         |
|------------------|----------------------------------------------|-------------------------------------------------|
| 1. Primer        | Sikafloor®-161                               | 900@8 mils                                      |
| 2. Receiver Coat | Sikafloor®-264<br>+<br>Sika Decorative Flake | 720@10 mils<br><br>2.16 bags per 4.5 gallon kit |
| 3. Top Coat      | Sikafloor®-217                               | 720@10 mils                                     |

**\*\*Double Broadcast System**

| Description                      | Products                                     | Approximates Sq.Ft./kit                         |
|----------------------------------|----------------------------------------------|-------------------------------------------------|
| 1. Primer                        | Sikafloor®-161                               | 900@8 mils                                      |
| 2. Receiver Coat                 | Sikafloor®-264<br>+<br>Sika Decorative Flake | 720@10 mils<br><br>2.16 bags per 4.5 gallon kit |
| 3. 2 <sup>nd</sup> Receiver Coat | Sikafloor®-217<br>+<br>Sika Decorative Flake | 720@10 mils<br><br>2.16 bags per 4.5 gallon kit |

**Options**

| Description               | Products                                        | Approximates Sq.Ft./kit                         |
|---------------------------|-------------------------------------------------|-------------------------------------------------|
| Primers                   | Sikafloor®-1620                                 | 533@12 mils                                     |
|                           | Sikafloor®-165 FS                               | 1,000@8 mils                                    |
| Alternate Receiver Coat   | Sikafloor®-511<br>+<br>Sikafloor® SCO Color Add | 888@15 mils<br><br>3 quarts per 8.33 gallon kit |
| Alternate Top Coat        | Sikafloor®-511                                  | 1,110@12 mils                                   |
| 2 <sup>nd</sup> Top Coats | Sikafloor®-511                                  | 1,666@8 mils                                    |
|                           | Sikafloor®-217                                  | 900@8 mils                                      |
|                           | Sikafloor®-304 W NA                             | 595@5 mils                                      |
|                           | Sikafloor®-340                                  | 6,000@4 mils                                    |
|                           | Sikafloor®-315N                                 | 2,400@4 mils                                    |

**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 Sheet

## 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®- 160, Sikafloor®- 161, Sikafloor®- 1620 or Sikafloor®- 165 FS. 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 Sheet

## APPLICATION

Please refer to the individual Product Data Sheet

## 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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