

SYSTEM DATA SHEET

Sikafloor® DecoDur Quartz FX

DECORATIVE EPOXY AND COLORED QUARTZ BROADCAST FLOOR SYSTEM ENGINEERED WITH SIKAFLOOR-217 @ 1/8" (3.1 MM)

PRODUCT DESCRIPTION

Sikafloor® DecoDur Quartz FX is a seamless, decorative, broadcast and sealed epoxy floor, using colored quartz aggregates and finished with a transparent top coat. The system provides a durable, impermeable lightly textured, slip resistant finish with excellent mechanical and chemical resistance. Sikafloor epoxy, polyaspartic and urethane top coats and surface textures are available to produce a wide range of slip resistant finishes suited to specific needs. Sikafloor® DecoDur Quartz FX is typically installed @ 1/8" (3.1 mm).

USES

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

- Grocery stores
- Food packing rooms
- Commercial kitchens
- Department stores
- Factories
- Pharmaceutical laboratories and offices
- Hospitals, laboratories and health care facilities
- Museums and galleries
- Banks, office and government buildings
- Recreational facilities, change rooms and showers

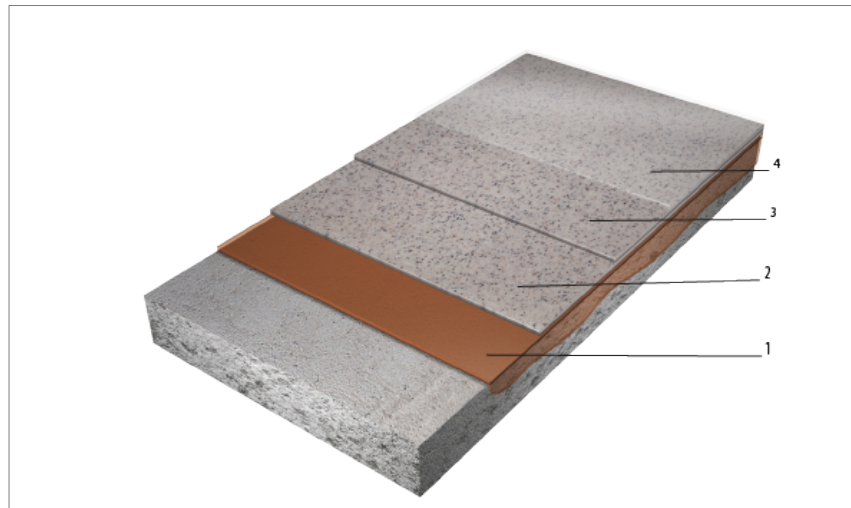
CHARACTERISTICS / ADVANTAGES

- Durable, seamless and sanitary
- Excellent mechanical and chemical resistance
- Promotes a safe and hygienic work environment
- Very low maintenance
- Extensive color palette
- Low odor / low VOC
- Optional Integral cove base and curbs are available

SYSTEM INFORMATION

System Structure

Sikafloor® DecoDur Quartz FX @ (1/8" - 3.1mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161 Sikafloor®-217	8 - 10
2. 1 st Receiver Coat	+ Sikafloor® Decorative Quartz Sikafloor®-217	12 - 16
3. 2 nd Receiver Coat	+ Sikafloor® Decorative Quartz	12 - 16
4. Top Coat	Sikafloor®-217	16 - 18
Options		
Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
	Sikafloor®-511*	
2 nd Receiver Coat	+ Sikafloor® Decorative Quartz	16 - 18
Top Coats	Sikafloor®-511*	15 - 18
	Sikafloor®-225 N**	15 - 18
	Sikafloor®-340***	4 - 6
2 nd Top Coats	Sikafloor®-315 N***	4 - 6
	Sikafloor®-304 W NA****	5 - 8

* Sikafloor-217 may be replaced by Sikafloor-511 for increased UV resistance, fast cure time

** Sikafloor-217 may be replaced by Sikafloor-225 N for increased UV resistance

*** Sikafloor-340 and Sikafloor-315 N clear would be an optional 2nd top coat for increased chemical resistance

**** Sikafloor-304 W would be an optional 2nd top coat on top of Sikafloor-217 for gloss reduction or matte finish

Color

Available in various color patterns, refer to Sikafloor® Quartzite® Color Chart for details

Nominal thickness

1/8" (3.1 mm).

Minimum thickness

1/8" (3.1 mm).

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BUILDING TRUST



TECHNICAL INFORMATION

Water Absorption	0.13 % 2 hours boiling	ASTM C413 at 73°F (23°C) and 50% R.H
Shore D Hardness	80	ASTM D2240 at 73°F (23°C) and 50% R.H
Abrasion Resistance	58 mg loss (CS-17/1000 rotations/1000g)	ASTM D4060 at 73°F (23°C) and 50% R.H
Indentation	1.30%	(MIL-PRF-24613)
Compressive Strength	7,250 psi (51.2 Mpa)	ASTM C579 at 73°F (23°C) and 50% R.H
Tensile Strength	5,078 psi (34 MPa)	ASTM D638 at 73°F (23°C) and 50% R.H
Flexural Strength	9,284 psi (64 MPa)	ASTM D790 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.	
Coefficient of Friction	0.6	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. 1 st Receiver Coat	Sikafloor®-217	600@12 mils
	+ Sikafloor® Decorative Quartz	4.8 bags per 4.5 gallon kit
3. 2 nd Receiver Coat	Sikafloor®-217	450@16 mils
	+ Sikafloor® Decorative Quartz	4.8 bags per 4.5 gallon kit
3. Top Coat	Sikafloor®-217	450@16 mils
Options		
Primers	Sikafloor®-1610	900@8mils
	Sikafloor®-165 FS	1,000@8mils
	Sikafloor®-511	972@16mils
2 nd Receiver Coat	+ Sikafloor® Decorative Quartz	8.8 bags per 8.33 gallon kit
	Top Coats	Sikafloor®-511
2 nd Top Coats	Sikafloor®-225 N	1,500@15mils
	Sikafloor®-340	6,000@4mils
	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 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 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 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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