

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

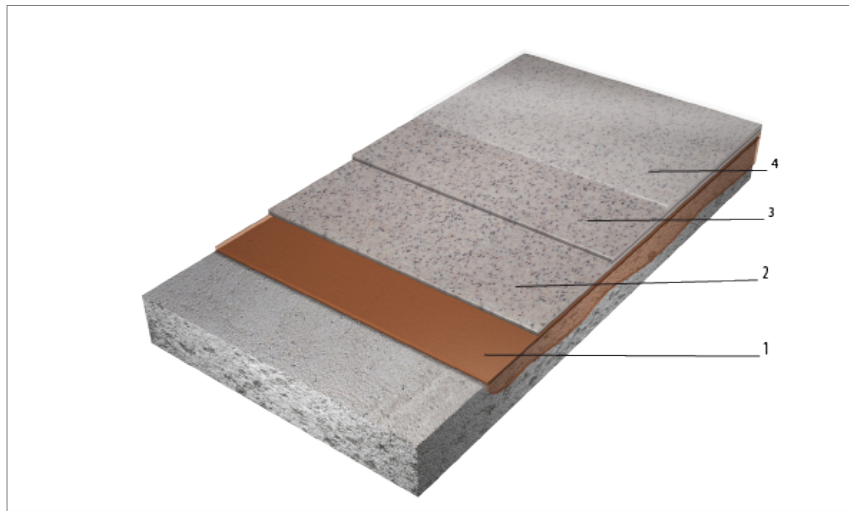
CHARACTERISTICS / ADVANTAGES

- 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" - 3.1 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161	8 - 10
2. 1 st Receiver Coat	Sikafloor®-217 + Sikafloor® Decorative Quartz	12 - 16
3. 2 nd Receiver Coat	Sikafloor®-217 + Sikafloor® Decorative Quartz	12 - 16
4. Top Coat	Sikafloor®-217	16 - 18

Options

Description	Products	Thickness mils
Primers	Sikafloor®-1620	12 - 15
	Sikafloor®-165 FS	8 - 10
2 nd Receiver Coat	Sikafloor®-511* + Sikafloor® Decorative Quartz	16 - 18
Top Coats	Sikafloor®-511*	15 - 18
	Sikafloor®-225 N**	15 - 18
2 nd Top Coats	Sikafloor®-340***	4 - 6
	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 NA 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)

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	12,500 psi (86 Mpa) (28 days)	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
Reaction to Fire	Class 1	ASTM E648 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@8 mils
	2. 1 st Receiver Coat	Sikafloor®-217 + Sikafloor® Decorative Quartz	600@12 mils 4.8 bags per 4.5 gallon kit
	3. 2 nd Receiver Coat	Sikafloor®-217 + Sikafloor® Decorative Quartz	450@16 mils 4.8 bags per 4.5 gallon kit
	4. Top Coat	Sikafloor®-217	450@16 mils
Options			
	Description	Products	Approximates Sq.Ft./kit
	Primers	Sikafloor®-1620	533@12 mils
		Sikafloor®-165 FS	1,000@8 mils
	2 nd Receiver Coat	Sikafloor®-511 + Sikafloor® Decorative Quartz	972@16 mils 8.8 bags per 8.33-gallon kit
	Top Coats	Sikafloor®-511	833@16 mils
		Sikafloor®-225 N	1,500@15 mils
	2 nd Top Coats	Sikafloor®-340	6,000@4 mils
		Sikafloor®-315 N	2,400@4 mils
		Sikafloor®-304 W NA	595@5 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 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 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 membrane coats. Ensure that the primer is pore-free, pinhole-free and provides uniform and complete coverage over the entire substrate.

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System Data Sheet
Sikafloor® DecoDur Quartz FX
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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

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