



## SYSTEM DATA SHEET

# Sikafloor® DecoDur Quartz HD

TROWELED EPOXY AND COLORED QUARTZ FLOOR SYSTEM ENGINEERED WITH SIKAFLOOR-160 @ 1/8" - 3/16" (3.1 - 4.7 MM)

### PRODUCT DESCRIPTION

Sikafloor® DecoDur Quartz HD is trowel-applied, heavy duty epoxy used to reprofile rough or deteriorated concrete surfaces or to create thin-set positive slopes to drains. The second layer is a broadcast and sealed epoxy floor, composed of colored quartz aggregates and finished with a transparent top coat for a seamless and decorative finish. The system offers high compressive strength and accepts abuse from impacts and heavy loading. Sikafloor® DecoDur Quartz HD is typically installed at 1/8" - 3/16" (3.1 - 4.7 mm).

### USES

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

- Supermarket food preparation areas
- Hospitals and healthcare facilities
- Pharmaceutical plants
- Laboratories
- Educational facilities
- Showers and locker rooms
- Prisons and correctional facilities
- Arenas and stadiums
- Offices and government buildings

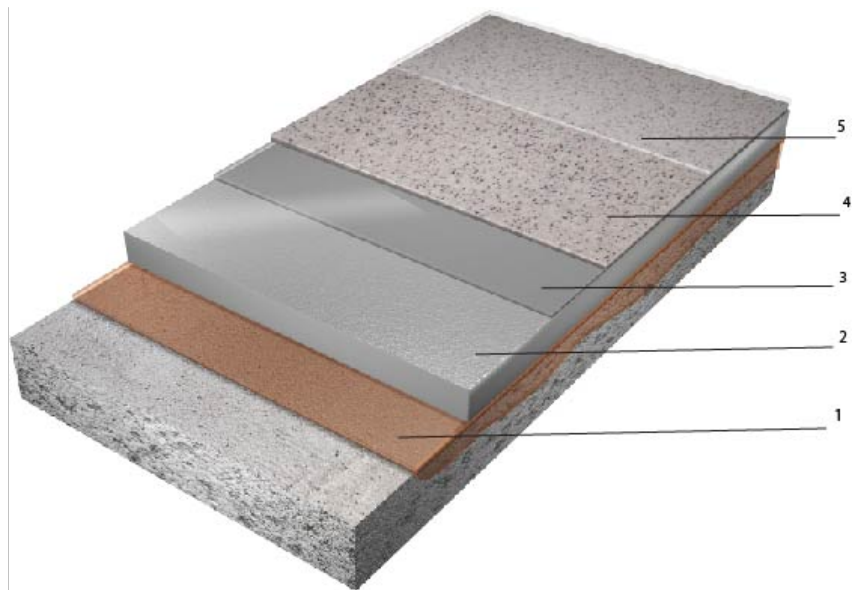
### CHARACTERISTICS / ADVANTAGES

- Superior mechanical and chemical resistance
- Ideal for harsh but aesthetic environments
- Can be customized to any decor
- Very low maintenance
- High density that resists staining and contamination
- Low odor / low VOC
- Optional Integral cove base and curbs available

# SYSTEM INFORMATION

## System Structure

## Sikafloor® DecoDur Quartz HD ~ 1/8" - 3/16" (3.1 - 4.7 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-160	8 - 10
2. Mortar	Sikafloor®-160 + Sikadur® 506 Aggregate	1/8" - 3/16"
3. Grout Coat	Sikafloor®-264 Thixo Lite Sikafloor®-217	8 - 10
4. Receiver Coat	+ Sikafloor® Decorative Quartz	12 - 16
5. Top Coat	Sikafloor®-217	16 - 18
<b>Options</b>		
Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
	Sikafloor®-511*	
Alternate Receiver Coat	+ Sikafloor® Decorative Quartz	12 - 16
Alternate Top Coat	Sikafloor®-511	16 - 18
	Sikafloor®- 217	12 - 16
2 <sup>nd</sup> Top Coats	Sikafloor®-315 N**	4 - 6
	Sikafloor®-340***	4 - 6
	Sikafloor®-304 W NA****	5-6

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

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

\*\*\*\* 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

<b>Color</b>	Available in various color patterns, refer to Sikafloor® Quartzite® Color Chart for details.
<b>Nominal thickness</b>	1/8" - 3/16" (3.1 - 4.7 mm)
<b>Minimum thickness</b>	1/8" (3.1 mm)
<b>Volatile organic compound (VOC) content</b>	Please refer to the individual Product Data Sheets.

## TECHNICAL INFORMATION

<b>Water Absorption</b>	0.55% 2 hours boiling	ASTM C413 at 73°F (23°C) and 50% R.H
<b>Shore D Hardness</b>	80	ASTM D2240 at 73°F (23°C) and 50% R.H
<b>Abrasion Resistance</b>	58 mg loss (CS-17/1000 rotations/1000g)	ASTM D4060 at 73°F (23°C) and 50% R.H
<b>Indentation</b>	0.23%	(MIL-PRF-24613)
<b>Compressive Strength</b>	9,200 psi (63.4 MPa)	ASTM C579 at 73°F (23°C) and 50% R.H
<b>Tensile Strength</b>	2,176 psi (14.7 MPa)	ASTM D638 at 73°F (23°C) and 50% R.H
<b>Flexural Strength</b>	5,795 psi (39.95 MPa)	ASTM C580 at 73°F (23°C) and 50% R.H
<b>Tensile Adhesion Strength</b>	>400 psi (2.7 MPa) (100 % concrete failure)	ASTM D4541 at 73°F (23°C) and 50% R.H
<b>Chemical Resistance</b>	Contact Sika Technical Service for specific information.	
<b>Coefficient of Friction</b>	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®-160	900@8mils
	Sikafloor®-160	960@1/8"
2. Mortar	+ Sikadur® 506 Aggregate	20 bags per 15 gallon kit
3. Grout Coat	Sikafloor®-264 Thixo Lite	900@8mils
4. Receiver Coat	Sikafloor®-217	600@16 mils
	+ Sikafloor® Decorative Quartz	4.8 bags per 4.5 gallon kit
3. Top Coat	Sikafloor®-217	450@12 mils
<b>Options</b>		
Primers	Sikafloor®-1610	900@8mils
	Sikafloor®-165 FS	1,000@8mils
	Sikafloor®-511	1,110@8mils
	+ Sikafloor® Decorative Quartz	8.8 quarts per 8.33 gallon kit
Alternate Receiver Coat	Sikafloor®-511	833@16mils
Alternate Top Coat	Sikafloor® 217	450@12 mils
	Sikafloor®-315 N	2,400@4mils
2 <sup>nd</sup> Top Coats	Sikafloor®-340	6,000@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®- 160, 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

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

## 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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