

SYSTEM DATA SHEET

Sikafloor® DecoDur Flake UEF

SELF-LEVELING URETHANE CEMENTITIOUS SLURRY, MOISTURE CONTROL, DECORATIVE FLAKE AND SEALED FINISH @ 3/16 – 1/4" (4.5 - 6 MM)

PRODUCT DESCRIPTION

Sikafloor® DecoDur Flake UEF is multi layer moisture control and decorative flake floor system. The first layer creates a moisture vapor tolerant barrier between the concrete substrate and finished Sikafloor System that consists of a self-leveling, three-component, cementitious urethane slurry with broadcast to rejection with Sikadur aggregate. The second layer 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 maybe double broadcast for increased thickness. Finish surface options include an integral cove base and variable surface texture to produce a range of slip-resistant finishes. Sikafloor® DecoDur Flake UEF typically installed @ 3/16 - 1/4" (4.5 - 6 mm).

USES

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

- Pharmaceutical facilities
- Food processing areas
- Commercial kitchens
- Public spaces
- Factories
- Hospitals, labs and health care facilities
- Cafeterias
- Lobbies
- Classrooms

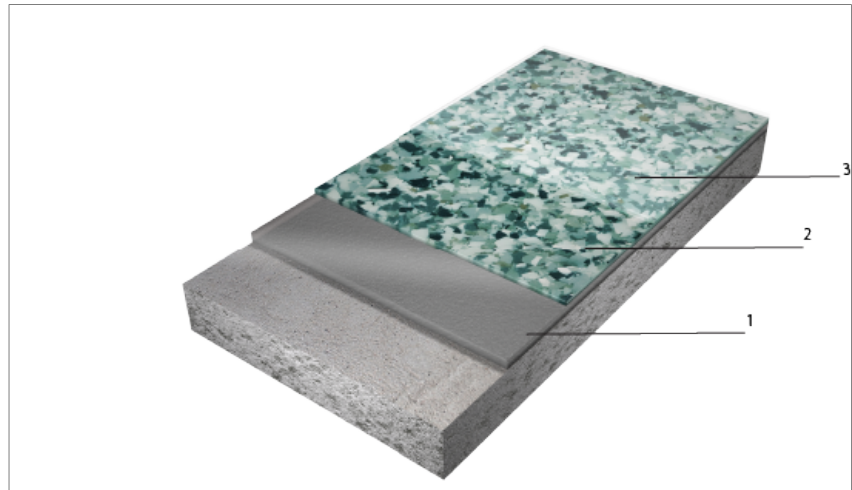
CHARACTERISTICS / ADVANTAGES

- Can be applied on green concrete, typically 7-10 days. Full 28 days cure time is not necessary.
- Can be applied over partially cured concrete substrates (> 6% mass (pbw –part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter surface moisture).
- Can be applied to concrete substrates where <100 % relative humidity is measured as per ASTM F2170.
- Substrate has minimum compressive strength of 3625 psi (25 MPa) and tensile strength in excess of 218 psi (1.5 MPa).
- Similar coefficient of thermal expansion to concrete allowing movement with the substrate through normal thermal cycling. It will perform and retain its physical characteristics through a wide temperature range from -40 °F (-40 °C) up to 248 °F (120 °C).
- Non-tainting, odorless.
- Behaves plastically under impact / deforms but will not crack or debond.
- Extra Expansion joints are not necessary; maintain and extend existing expansion joints up through the Sikafloor PurCem Flooring System.
- Minimal maintenance costs, superior life cycle cost advantage versus tile.
- Meets the requirements of USDA for use in food plants.

SYSTEM INFORMATION

System Structure

Sikafloor® DecoDur Flake UEF ~ 3/16 – 1/4" (4.5 – 6 mm)



Description	Products	Thickness mils
1. Body Coat	Sikafloor®-24 NA PurCem + Sikadur®-508 Aggregate	160 - 180
2. Receiver Coat	Sikafloor®-264 Thixo + Sika Decorative Flake	10 - 12
3. Top Coat	Sikafloor®-217	10 - 12
Options		
Description	Products	Thickness mils
Primers	Sikafloor®-31 NA PurCem*	15 - 20
	Sikafloor®-2570 WB*	3 - 5
Scratch Coat	Sikafloor®-24 NA PurCem*	40 - 60
Alternate Receiver Coat	Sikafloor®-510 LPL** + Sikafloor® Urethane Pigment Pack	15 - 18
Alternate Top Coat	Sikafloor®-510 LPL**	12 - 15
2 nd Top Coats	Sikafloor®-510 LPL**	8 - 12
	Sikafloor®-217**	8 - 12
	Sikafloor®-304 W NA***	5 - 8
	Sikafloor®-340***	4 - 6
	Sikafloor®-315 N****	4 - 6

*Primer/Scratch coat required if applied with a smooth finish, and optional for broadcast system

**Sikafloor®-264 Thixo and Sikafloor®-217 may be replaced by Sikafloor®-510 LPL for greater UV resistance and fast cure time
 ***Sikafloor®-304 W NA would be an optional 2nd top coat on top of Sikafloor®-217 for gloss reduction or matte finish
 ****Sikafloor®-340 and Sikafloor®-315 N clear would be an optional 2nd 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	3/16 – 1/4" (4.5 - 6 mm)
Minimum thickness	3/16" (4.5 mm)

TECHNICAL INFORMATION

Water Absorption	0.10%	ASTM C413 at 73°F (23°C) and 50% R.H
Shore D Hardness	83	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	~ 0%	MIL -PRF -24613 at 73°F (23°C) and 50% R.H
Compressive Strength	6,961psi (48 MPa) 28 days	ASTM 579 73°F (23°C) and 50% R.H
Tensile Strength	1,290 psi (8.9 MPa)	ASTM C307 at 73°F (23°C) and 50% R.H
Flexural Strength	2,726 psi (18.8 MPa)	ASTM C580 at 73°F (23°C) and 50% R.H
Chemical Resistance	Please consult Sikafloor Technical Services.	
Microbiological Resistance	Resistance to Fungi Growth Rated 0 (no growth)	ASTM G21 at 73°F (23°C) and 50% R.H
	Resistance to Mold Growth Rated 10 (highest resistance)	ASTM D3273 at 73°F (23°C) and 50% R.H

APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
1. Body Coat		Sikafloor®-24 NA PurCem	71@120 mils
2. Receiver Coat		Sikadur®-508 Aggregate Sikafloor®-264 Thixo + Sika Decorative Flake	100 sq.ft. per bag 720@10 mils 2.16 bags per 4.5 gallon kit
3. Top Coat		Sikafloor®-217	720@10 mils
Options			
Description	Products	Approximates Sq.Ft./kit	
Primers	Sikafloor®-31 NA PurCem	224@15 mils	
Scratch Coat	Sikafloor®-2570 WB Sikafloor®-24 NA PurCem	2,667@3 mils 215@40 mils	
Alternate Receiver Coat	Sikafloor®-510 LPL + Sikafloor® Urethane Pigment Pack	888@15 mils 3 quarts per 8.33 gallon kit	
Alternate Top Coat	Sikafloor®-510 LPL	1,110@12 mils	
2 nd Top Coat	Sikafloor®-510 LPL	1,666@8 mils	
	Sikafloor®-217	900@8 mils	
	Sikafloor®-304 W NA	595@5 mils	
	Sikafloor®-340	6,000@4 mils	
	Sikafloor®-315 N	2,400@4 mils	
Ambient Air Temperature	Minimum/Maximum 40°/85°F (4°/30°C)		
Substrate Temperature	Minimum/Maximum 40°/85°F (4°/30°C)		
Pot Life	Please refer to the individual Product Data Sheet		
Waiting / Recoat Times	Please refer to the individual Product Data Sheet		

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 for Limitations

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

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 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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