

SYSTEM DATA SHEET

Sikafloor® MultiDur ECB

SELF-LEVELING BROADCAST SYSTEM ENGINEERED WITH SIKAFLOOR-264
@ 55 - 70 MILS (1.4 - 1.7 MM)

PRODUCT DESCRIPTION

Sikafloor® MultiDur ECB is a solid color, textured, resin rich, aggregate-filled, seamless, epoxy floor coating. A durable aggregate is broadcast and sealed into the surface to increase the coating's performance against aggressive wear. This general service epoxy coating demonstrates excellent chemical, abrasion and impact resistance. The color palette and texture may be customized to meet requirements. Sikafloor® MultiDur ECB is typically installed @ 55 - 70 mils (1.4 - 1.7 mm).

USES

Sikafloor® MultiDur ECB may only be used by experienced professionals.

Sikafloor® MultiDur ECB may be installed over a Sikafloor UEF Base System when moisture vapor tolerance and/or a temporary floor is desired.

- Manufacturing plants
- Animal care facilities
- Break & rest rooms
- Institutional settings
- Commercial storage areas
- Labs & clinics

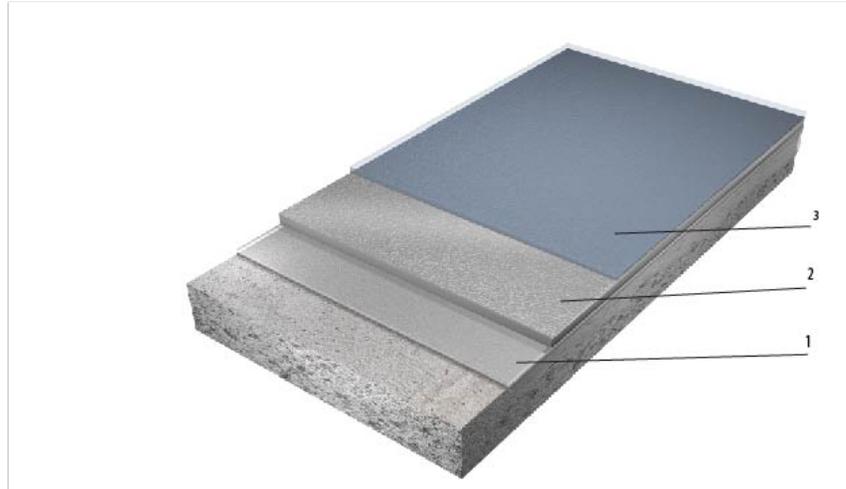
CHARACTERISTICS / ADVANTAGES

- Durable, impermeable and seamless
- Easily cleaned and maintained
- Provides hygienic environment
- Good chemical resistance
- Excellent chemical, abrasion and impact resistance
- Protects underlying substrate
- Low odor/low VOC
- Optional Integral cove, base and curb

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ECB ~ 55 - 70 mils (1.4 - 1.7 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161	8 - 10
2. Body Coat	Sikafloor®-264	10 - 15
	+ Sikadur® 508 Aggregate	
3. Top Coat	Sikafloor®-264	12 - 16
Options		
Primer	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
	Sikafloor®-2570 WB	8 - 10
Alternate Top Coat	Sikafloor®-511*	12 - 16
	+ Sikafloor®-SCO Color Add	
	Sikafloor®-316 N**	
2 nd Top Coats	+ Sikafloor®-SCO Color Add	4 - 6
	Sikafloor®-340	
	+ Sikafloor®-Urethane Color Add	

* Sikafloor-511 would be an alternate 2nd topcoat to replace Sikafloor 264 for superior UV resistance, color stability, and increased chemical resistance

**Sikafloor-340 and Sikafloor-316 N would be an alternate 2nd topcoat optional top coat on top of Sikafloor-264 for increased chemical and abrasion resistance

Color	Sikafloor standard epoxy colors. (18 standard colors). Refer to Standard Color Selection Guide.
Nominal thickness	55 - 70 mils (1.4 - 1.7 mm)
Minimum thickness	55 mils (1.4 mm)
Volatile organic compound (VOC) content	Please refer to the individual Product Data Sheets

TECHNICAL INFORMATION

Water Absorption	0.05 % 2 hours boiling	ASTM C413 73°F (23°C) and 50% R.H
Shore D Hardness	82 (14 days)	ASTM D2240 73°F (23°C) and 50% R.H
Abrasion Resistance	90 mg loss (CS-17/1000Rotations/1000g)	ASTM D4060 73°F (23°C) and 50% R.H
Compressive Strength	7,426 psi (51.2 Mpa)	ASTM C579 73°F (23°C) and 50% R.H
Tensile Strength	4,902 psi (33.8 Mpa)	ASTM D638 73°F (23°C) and 50% R.H
Flexural Strength	4,902 psi (2.7 Mpa) 100 % Concrete failure	ASTM D4541 73°F (23°C) and 50% R.H
Tensile Adhesion Strength		
Elongation at Break	8.3%	ASTM D638 73°F (23°C) and 50% R.H
Chemical Resistance	Chemical resistance Contact Sika Technical Service for specific information	
Water Vapor Transmission	0.33mg/hour/sq.ft	ASTM E96 73°F (23°C) and 50% R.H
Coefficient of Friction	0.6	ANSI 326.3 73°F (23°C) and 50% R.H

APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
1. Primer		Sikafloor®-161	900@8mils
		Sikafloor®-264	600@12mils
	2. Body Coat	+ Sikadur- 508 Aggregate	3.6 bas per 4.5 gallon kit
3 Top Coat		Sikafloor®-264	600@12mils
Options			
Primers		Sikafloor®-1610	900@8mils
		Sikafloor®- 165 FS	1000@8mils
		Sikafloor®- 2570	1000@8mils
Alternate Top Coats		Sikafloor®-511	1,210@12mils
		Sikafloor®-SCO Color Add	3 quarts per 8.33 gallon kit
2 nd Top Coats		Sikafloor®-316 N	2,400@4mils
		Sikafloor®-SCO Color Add	2 quarts per 5.5 gallon kit
		Sikafloor®-340	5.5 gallon kit
		Sikafloor®-Urethane Color Add	2,200@4mils 2 quarts per 5 gallon kit
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 Sheet
Shelf Life	Please refer to the individual Product Data Sheet
Storage Conditions	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.

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 or Smooth Finish Coating

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 coats. Ensure that the primer is pore-free, pinhole-free and provides uniform and complete coverage over the entire substrate.

Sikafloor-264 may be used as a primer on concrete substrates for Sikafloor Coating Systems subjected to light traffic. Please refer to the most current and respective Product Data Sheet for further information.

MIXING

Please refer to the individual Product Data Sheet

APPLICATION

Please refer to the individual Product Data Sheet

LIMITATIONS

Please refer to the individual Product Data Sheet

ENVIRONMENTAL, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

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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