



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

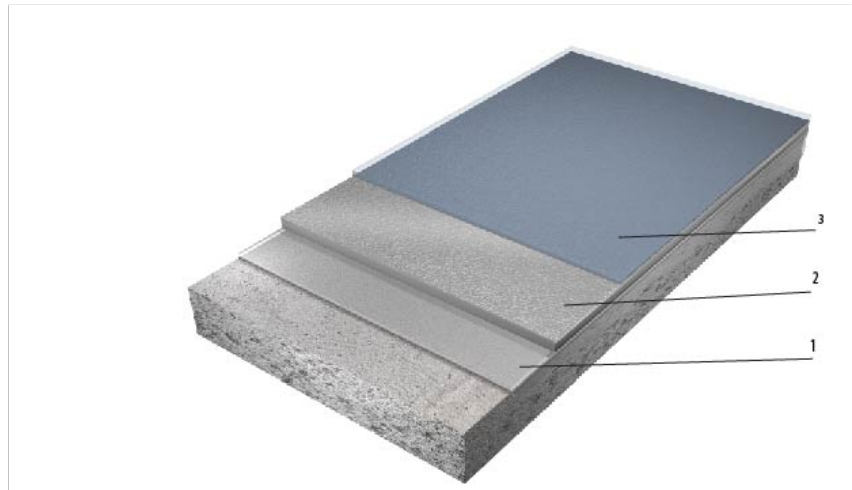
CHARACTERISTICS / ADVANTAGES

- Durable, impermeable and seamless
- Easily cleaned and maintained
- Provides hygienic environment
- 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 + Sikadur® 508 Aggregate	10 - 15
3. Top Coat	Sikafloor®-264	12 - 16

Options

Description	Products	Thickness mils
Primer	Sikafloor®-1620	12 - 15
	Sikafloor®-165 FS	8 - 10
Alternate Top Coat	Sikafloor®-2570 WB Sikafloor®-510 LPL*	8 - 10
	+ Sikafloor® Urethane Pigment Pack	12 - 16
2 nd Top Coats	Sikafloor®-315** + Sikafloor® Urethane Pigment Pack	3 - 4
	Sikafloor®-340** + Sikafloor® Urethane Pigment Pack	4 - 6

* Sikafloor®-510 LPL would be an alternate 2nd topcoat to replace Sikafloor®-264 for superior UV resistance, color stability, and increased chemical resistance

**Sikafloor®-340 and Sikafloor®-315 would be an alternate 2nd topcoat 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)

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
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@8 mils
	2. Body Coat	Sikafloor®-264 + Sikadur®-508 Aggregate	600@12 mils 3.6 bags per 4.5 gallon kit
	3. Top Coat	Sikafloor®-264	600@12 mils
Options			
	Description	Products	Approximates Sq.Ft./kit
	Primers	Sikafloor®-1620	533@12 mils
		Sikafloor®-165 FS	1,000@8 mils
		Sikafloor®-2570	1,000@8 mils
	Alternate Top Coats	Sikafloor®-510 LPL + Sikafloor® Urethane Pigment Pack	1,210@12 mils 3 quarts per 8.33 gallon kit
	2 nd Top Coats	Sikafloor®-315 + Sikafloor® Urethane Pigment Pack	2,340@4 mils 2 quarts per 5.34 gallon kit
		Sikafloor®-340 + Sikafloor® Urethane Pigment Pack	2,200@4 mils 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)		

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

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 or Smooth Finish Coating

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 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

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.

SIKA warrants this product for one year from date of

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installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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