BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiDur TG

EPOXY MORTAR SYSTEM ENGINEERED WITH SIKAFLOOR®-160 AT 1/8'' - 1/4" (3.1 - 6.5 MM)

PRODUCT DESCRIPTION

Sikafloor® MultiDur TG is a solid color, resin rich, aggregate filled, seamless, epoxy floor system with high density and compressive strength for exceptional durability. This heavy duty epoxy system demonstrates excellent chemical resistance as well as superior abrasion and impact resistance. Sikafloor® MultiDur TG can be customized to meet decor and slip-resistance requirements. Final surface appearance options include: 18 standard and unlimited custom colors, slight or heavy orange peel, integral cove base, and variable surface texture to produce a range of slip-resistant finishes. This product can be applied using a screed box and finished by hand troweling or power troweling. Sikafloor® MultiDur TG typically installed at 1/8" - 1/4" (3.1 - 6.5 mm).

USES

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

- Dry processing Plants
- Heavy Manufacturing
- Vivariums
- Rest and Locker Rooms
- Vehicle Service Bays

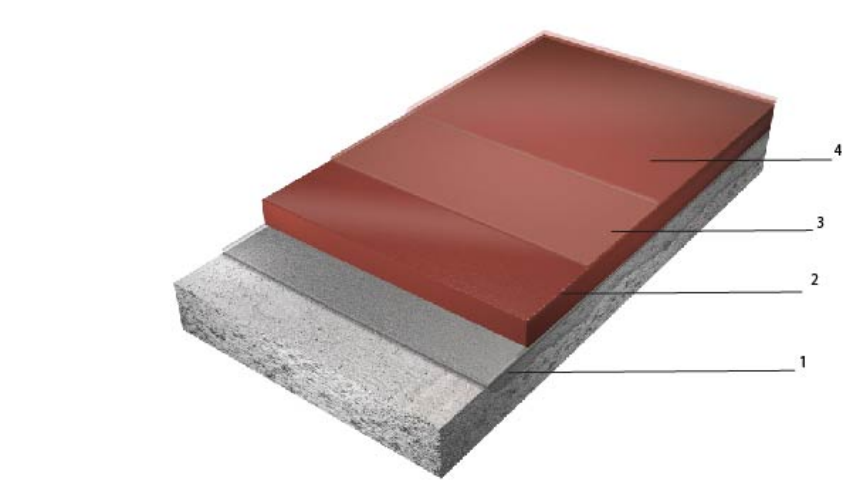
CHARACTERISTICS / ADVANTAGES

- Superior mechanical resistance
- High abrasion and impact resistance
- Good chemical resistance
- Durable, impermeable, and seamless
- Easily cleaned and maintained for a more sanitary work environment
- Neutral odor
- Protects new concrete from abuse
- Rejuvenates worn surfaces
- Resists heavy traffic
- Reduced downtime
- Optional slip resistant surface
- Optional integral cove, base and curbs

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur TG ~ 1/8" - 1/4" (3.1 - 6.5 mm)



Description	Products	Thickness mils/inch
1. Primer	Sikafloor®-160	8 - 10
2. Mortar	Sikafloor®-160 + Sikadur®-506 ER	1/8" - 1/4"
3. Grout Coat	Sikafloor®-264 Thixo lite	8 - 10
4. Top Coat	Sikafloor®-264 Thixo lite	8 - 10

Options

Description	Products	Thickness mils/inch
Primers	Sikafloor®-1620	12 - 15
	Sikafloor®-165 FS	8 - 10
Alternate Top Coat	Sikafloor®-264	8 - 10
2nd Top Coats	Sikafloor®-305W NA*	4 - 6
	Sikafloor®-315** + Sikafloor® Urethane Pigment Pack	3 - 4
	Sikafloor®-340** + Sikafloor® Urethane Pigment Pack	4 - 6

*Sikafloor®-305W NA would be an alternate top coat for matte finish
**Sikafloor®-315 and Sikafloor®-340 would be optional top coats on top of grout coat Sikafloor®-264 Thixo for increased chemical and abrasion resistance

Color

Available in a broad range of standard and custom colors. Please refer to the Standard Color selection guide and contact Customer Service for custom

	color availability.
Nominal thickness	1/8" - 1/4" (3.1 - 6.5 mm)
Minimum thickness	1/8" (3.1 mm)

TECHNICAL INFORMATION

Shore D Hardness	80	ASTM D2240 at 73°F (23°C) and 50% R.H
Abrasion Resistance	1000 mg loss (CS-17/1000Rotations/1000g)	ASTM D-4060 at 73°F (23°C) and 50% R.H
Compressive Strength	>12,500 Psi	ASTM C579 at 73°F (23°C) and 50% R.H
Flexural Strength	5,361 Psi (36.96 MPa)	ASTM C580 at 73°F (23°C) and 50% R.H
Modulus of Elasticity in Flexure	$3.04x10^6$ Psi ($2.10x10^4$ MPa)	ASTM C580 at 73 °F (23 °C) and 50% R.H
Tensile Strength	2,176 psi (14.7 MPa)	ASTM C307 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
Chemical Resistance	Contact Sika Technical Service for specific information.	
Thermal Conductivity	Pass	ASTM C884 at 73°F (23°C) and 50% R.H
Coefficient of Friction	0.5	ANSI 326.3 at 73°F (23°C) and 50 % R.H
Indentation	0.23 %	MIL-PRF-24613
Water Absorption	<0.1% (2 hours boiling)	ASTM C413 at 73°F (23°C) and 50% R.H

APPLICATION INFORMATION

Coverage

Description	Products	Approximates Sq.Ft./kit
1. Base Coat	Sikafloor®-160	3,000@8 mils
2. Mortar	Sikafloor®-160 + Sikadur®-506 ER	480@1/4" 20 bags per 15 gallon kit
3. Grout Coat	Sikafloor®-264 Thixo lite	900@8 mils
4. Top Coat	Sikafloor®-264 Thixo lite	900@8 mils

Options

Description	Products	Approximates Sq.Ft./kit
Primers	Sikafloor®-1620	533@12 mils
	Sikafloor®-165 FS	1,000@8 mils
Alternate Top Coat	Sikafloor®-264	900@8 mils
2nd Top Coats	Sikafloor®-305W NA	653@5 mils
	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.

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®-160, 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.

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 Sheet for each component.

APPLICATION

Please refer to the individual Product Data Sheet for each component.

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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