

## SYSTEM DATA SHEET

# Sikafloor® MultiDur MS

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EPOXY TROWELED METALLIC MORTAR ENGINEERED WITH SIKAFLOOR® - 160  
AT 3/16" - 3/8" (4.7 - 9.5 MM)

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### PRODUCT DESCRIPTION

Sikafloor® MultiDur MS is a unique, high abrasion and wear resistant, troweled mortar using an epoxy binder impregnated with metallic aggregate. The finished system has superior resistance to impact, wear, and abrasion with increased chemical resistance available in several optional top coats. Sikafloor® MultiDur MS typically installed at 3/16" - 3/8" (4.7 - 9.5 mm).

### USES

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

- Heavy Industrial Traffic and Vehicles
- Restores Damaged Concrete Slabs
- Chemical Processing Zones
- Volatile Storage Areas
- Protects New Concrete Surfaces

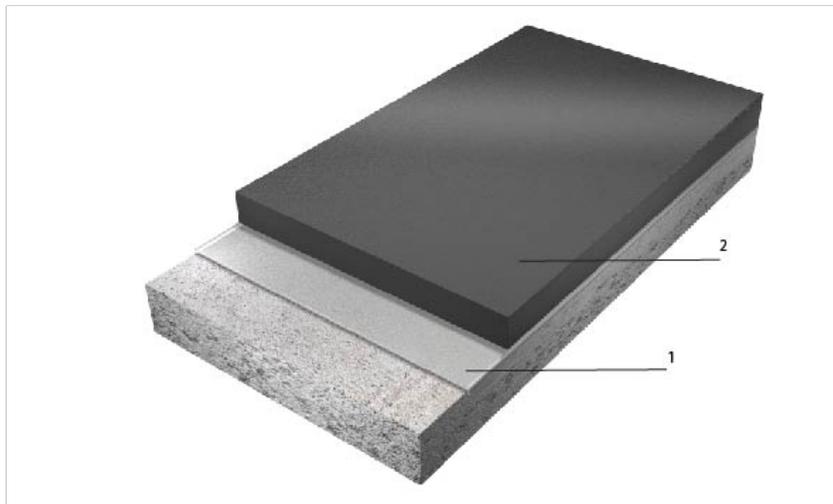
### CHARACTERISTICS / ADVANTAGES

- High solids/Low odor
- Good abrasion resistance
- Good impact resistance
- Product may be trowel applied as supplied

# SYSTEM INFORMATION

## System Structure

Sikafloor® MultiDur MS ~ 3/16" - 3/8" (4.7 - 9.5 mm)



Description	Products	Thickness mils/inch
1. Primer	Sikafloor®-160	8 - 10
2. Mortar	Sikafloor®-160 + Metallic Aggregate	3/16" - 3/8"
<b>Options</b>		
Primers	Sikafloor®-1610	8 - 10
	Sikafloor®-165 FS	8 - 10
Grout Coat	Sikafloor®-264 Thixo*	8 - 10
	Sikafloor®-264	8 - 10
	Sikafloor®-316 N** +	4 - 6
Top Coats	Sikafloor®-SCO Color Add Sikafloor®-340** +	4 - 6
	Sikafloor®-Urethane Color Add	

\*Sikafloor®-264 and Sikafloor®-264 Thixo would be optional top coat for smooth and textured finish.

\*\*Sikafloor-340 and Sikafloor-316 N would be an optional topcoat on top of grout coat Sikafloor®-264 for increased chemical and abrasion resistance.

**Color** Available in broad range of standard and custom colors. Please refer to Standard Color selection Guide and Contact Customer Service for custom colors availability.

**Nominal thickness** 3/16" - 3/8" (4.7 - 9.5 mm)

**Minimum thickness** 3/16" (9.5 mm)

**Volatile organic compound (VOC) content** Please refer to the individual Product Data Sheets

## TECHNICAL INFORMATION

Water Absorption	0.55%	ASTM C413 at 73°F (23°C) and 50% R.H
Shore D Hardness	80	ASTM D2240 at 73°F (23°C) and 50% R.H
Indentation	0.23 %	MIL-PRF-24613
Compressive Strength	9,200 Psi (63.4 MPa) (28 days)	ASTM C579 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
Flexural Strength	400 psi (2.7 MPa)	ASTM D4541 at 73°F (23°C) and 50
Resistance to Thermal Shock	Pass	ASTM C884 at 73°F (23°C) and 50% R.H
Chemical Resistance	Please consult Sikafloor Technical Services.	
Coefficient of Friction	0.5	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	3,000@8mils
		Sikafloor®-160	560@3/16"
2. Mortar		+	10 bags per
		Metallic Aggregate	15 gallon kit
<b>Options</b>			
Primers		Sikafloor®-1610	900@8mils
		Sikafloor®-165 FS	1,000@8mils
Grout Coat		Sikafloor®-264Thixo	900@8mils
		Sikafloor®-264	900@8mils
Top Coats		Sikafloor®-316 N	2,400@4mils
		+	2 quarts per
		Sikafloor®-SCO Color Add	5.5 gallon kit
		Sikafloor®-340	2,200@4mils
	+	2 quarts per	
		Sikafloor®-Urethane Color Add	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 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.

### 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-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. Please refer to the most current and respective Product Data Sheet for further information.

### MIXING

Please refer to the individual Product Data Sheets

### APPLICATION

Please refer to the individual Product Data Sheets

### LIMITATIONS

Please refer to the individual Product Data Sheets

## ENVIRONMENTAL, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## 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.

SIKA warrants this product for one year from date of 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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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### System Data Sheet

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