

## SYSTEM DATA SHEET

# Sikafloor® MultiDur TG

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

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### 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 mortar 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

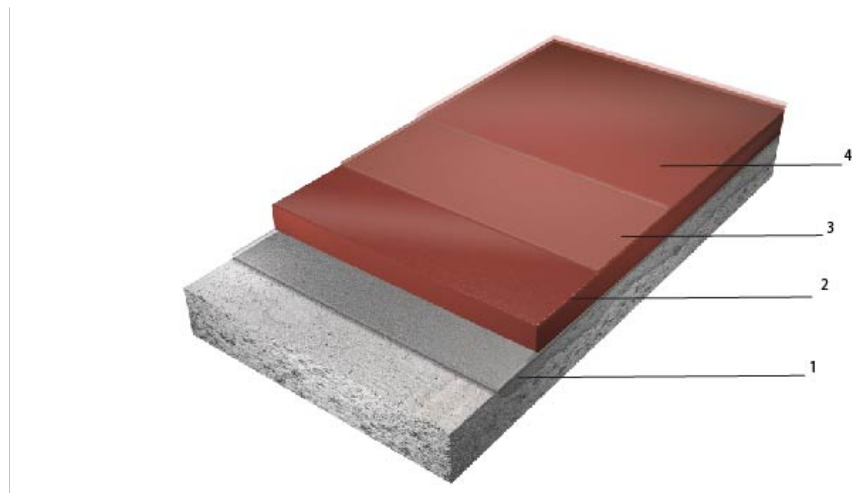
### CHARACTERISTICS / ADVANTAGES

- Superior mechanical resistance
- High abrasion and impact resistance
- Good chemical resistance
- Durable, impermeable and seamless
- Easily cleaned, maintained and 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<br>mils/inch |
|---------------------------|--|------------------------|
| 1. Primer                 | Sikafloor®-160   | 8 - 10                 |
| 2. Mortar                 | Sikafloor®-160<br>+<br>Sikafloor®-506 Mortar           | 1/8" -<br>1/4"         |
| 3. Grout Coat             | Sikafloor®-264 Thixo lite                              | 8 - 10                 |
| 4. Top Coat               | Sikafloor®-264 Thixo lite                              | 8 - 10                 |
| <b>Options</b>            |  |                        |
| Primers                   | Sikafloor®-1610<br>Sikafloor®-165 FS                   | 8 - 10<br>8 - 10       |
| Alternate Top Coat        | Sikafloor®-264   | 8 - 10                 |
|                           | Sikafloor®-305 W*                                      | 4 - 6                  |
|                           | Sikafloor®-316 N**<br>+<br>Sikafloor®-SCO Color Add    | 4 - 6                  |
| 2 <sup>nd</sup> Top Coats | Sikafloor®-340**<br>+<br>Sikafloor®-Urethane Color Add | 4 - 6                  |

\* Sikafloor-305 W NA would be an alternate topcoat for matte finish.

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

|  |   |
|--|---|
| <b>Color</b>                                   | Available in broad range of standard and custom colors. Please refer to Standard Color selection Guide and Contact Customer Service for custom colors availability. |
| <b>Nominal thickness</b>                       | 1/8" - 1/4" (3.1 - 6.5 mm)  |
| <b>Minimum thickness</b>                       | 1/8" (3.1 mm)   |
| <b>Volatile organic compound (VOC) content</b> | Please refer to the individual Product Data Sheets  |

## TECHNICAL INFORMATION

|                                  |  |   |
|----------------------------------|--|---|
| <b>Water Absorption</b>          | <0.1% (2 hours boiling)                                  | ASTM C413<br>at 73°F (23°C) and 50% R.H   |
| <b>Shore D Hardness</b>          | 80   | ASTM D2240<br>at 73°F (23°C) and 50% R.H  |
| <b>Abrasion Resistance</b>       | 1000 mg loss (CS-17/1000Rotations/1000g)                 | ASTM D-4060<br>at 73°F (23°C) and 50% R.H |
| <b>Indentation</b>               | 0.23 %   | MIL-PRF-24613                             |
| <b>Compressive Strength</b>      | 9,200 Psi (63.4 MPa)                                     | ASTM C579<br>at 73°F (23°C) and 50% R.H   |
| <b>Flexural Strength</b>         | 2,176 psi (14.7 MPa)                                     | ASTM C580<br>at 73°F (23°C) and 50% R.H   |
| <b>Tensile Adhesion Strength</b> | >400 psi (2.7 Mpa)<br>(100% Concrete failure)            | ASTM D4541<br>at 73°F (23°C) and 50% R.H  |
| <b>Chemical Resistance</b>       | Contact Sika Technical Service for specific information. |   |
| <b>Thermal Conductivity</b>      | Pass   | ASTM C884<br>at 73°F (23°C) and 50% R.H   |
| <b>Coefficient of Friction</b>   | 0.5  | ANSI 326.3<br>at 73°F (23°C) and 50 % R.H |

## APPLICATION INFORMATION

| Coverage                       | Description                         | Products                      | Approximates<br>Sq.Ft./kit   |
|--------------------------------|-------------------------------------|-------------------------------|------------------------------|
|                                | 1. Base Coat                        | Sikafloor®-160                | 3,000@8mils                  |
|                                |                                     | Sikafloor®-160                | 480@1/8"                     |
|                                | 2. Mortar                           | Sikadurr®-506 Mortar          | 20 bags per<br>15 gallon kit |
|                                | 3. Grout Coat                       | Sikafloor®-264 Thixo lite     | 900@8 mils                   |
|                                | 4. Top Coat                         | Sikafloor®-264 Thixo lite     | 900@8 mils                   |
| <b>Options</b>                 |                                     |                               |                              |
|                                | Primers                             | Sikafloor®-1610               | 900@8mils                    |
|                                |                                     | Sikafloor®-165 FS             | 900@8mils                    |
|                                | Alternate Top Coat                  | Sikafloor®-264                | 1,00@8mils                   |
|                                |                                     | Sikafloor®-305 W              | 653@5mils                    |
|                                |                                     | Sikafloor®-316 N              | 2,400@4mils                  |
|                                |                                     | +                             | 2 quarts per                 |
|                                | 2 <sup>nd</sup> Top Coats           | Sikafloor®-SCO Color Add      | 5.5 gallon kit               |
|                                |                                     | Sikafloor®-340                | 2,200@4mils                  |
|                                |                                     | +                             | 2 quarts per                 |
|                                |                                     | Sikafloor®-Urethane Color Add | 5 gallon kit                 |
| <b>Ambient Air Temperature</b> | Minimum/Maximum 50/85 °F (10/30 °C) |                               |                              |
| <b>Substrate Temperature</b>   | Minimum/Maximum 50/85 °F (10/30 °C) |                               |                              |

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Packaging</b>          | Please refer to the individual Product Data Sheets |
| <b>Shelf Life</b>         | Please refer to the individual Product Data Sheets |
| <b>Storage Conditions</b> | Please refer to the individual Product Data Sheets |

## 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®-1610 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.

### 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.

### OTHER RESTRICTIONS

See Legal Disclaimer.

### 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.

## 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.**

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