

## PRODUCT DATA SHEET

# Sikalastic® TC 225 HT

(formerly MSeal TC 225HT)

Aliphatic polyurethane topcoat for Sikalastic® Traffic 1500 deck coating systems

### PRODUCT DESCRIPTION

Sikalastic® TC 225 HT is a moisture-curing polyurethane top coat for use in Sikalastic® Traffic 1500 deck coating systems.

The Sikalastic® TC 225 HT is a one-component waterproofing coating and is UV-resistant. The Sikalastic® TC 225 HT Tint Base product allows for a variety of colors in pedestrian applications.

### WHERE TO USE

- Stadiums
- Balconies
- Parking Garages

- Commercial Construction
- Building and Restoration
- Plywood Decks/Balconies
- Plaza Decks

### CHARACTERISTICS / ADVANTAGES

- UV-resistant, one-component waterproofing coating
- Easy preparation reduces on-site labor costs
- 40 standard colors utilizing Sikaflex®-900 color packs (pedestrian use only) available with Sikalastic® TC 225 HT Tint Base

### PRODUCT INFORMATION

|                                    |                                                                                                                                                                       |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Composition / Manufacturing</b> | Sikalastic® TC 225 HT is an aliphatic, moisture-curing polyurethane                                                                                                   |
| <b>Packaging</b>                   | <ul style="list-style-type: none"> <li>▪ 9.47 L (2.5 US gal.) in 5-US-gal. pails Tint Base Only</li> <li>▪ 18.93 L (5 US gal.) in 5-US-gal. pails</li> </ul>          |
| <b>Colour</b>                      | Grey, Charcoal, Tan, Dark Tan, Tint Base                                                                                                                              |
| <b>Shelf Life</b>                  | <p>When properly stored, Sikalastic® TC 225 HT products have the following shelf life:</p> <ul style="list-style-type: none"> <li>▪ 5-US-gal. Pail: 1 Year</li> </ul> |
| <b>Storage Conditions</b>          | Store in unopened containers in a cool, clean, dry area                                                                                                               |
| <b>Viscosity</b>                   | <p>2,000-4,000 cps</p> <p>*Cold temperatures will increase viscosity</p>                                                                                              |
| <b>Solid content by weight</b>     | 77 %                                                                                                                                                                  |

### TECHNICAL INFORMATION

|                         |                      |               |
|-------------------------|----------------------|---------------|
| <b>Shore A Hardness</b> | 89                   | (ASTM D 2240) |
| <b>Tensile Strength</b> | 17.2 MPa (2 500 psi) | (ASTM D 412)  |
|                         | <b>Elongation</b>    |               |
|                         | 502 %                | (ASTM D 412)  |

## APPLICATION INFORMATION

|                                |                                                                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Yield</b>                   | at 20 mils w.f.t: 1.83–1.97 m <sup>2</sup> /L (75–80 ft <sup>2</sup> /US gal.)<br>at 25 mils w.f.t: 1.35–1.47 m <sup>2</sup> /L (55–60 ft <sup>2</sup> /US gal.) |
| <b>Product Temperature</b>     | Precondition material to a temperature of approximately 21 °C (70 °F).                                                                                           |
| <b>Ambient Air Temperature</b> | Between 4 °C and 32 °C (40 °F / 90 °F).                                                                                                                          |
| <b>Dew Point</b>               | Substrate temperature must be at least 3 °C (5.5 °F) above measured dew point temperature.                                                                       |
| <b>Substrate Temperature</b>   | Between 4 °C and 32 °C (40 °F / 90 °F).                                                                                                                          |
| <b>Curing Time</b>             | 12–14 hours when tested at 23 °C (73 °F) and 50 % relative humidity                                                                                              |

## SYSTEMS

|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Systems</b> | <ul style="list-style-type: none"> <li>▪ Sikalastic® Vehicular 1500</li> <li>▪ Sikalastic® Pedestrian 1500</li> </ul> |
|----------------|-----------------------------------------------------------------------------------------------------------------------|

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## LIMITATIONS

- If vapor drive is present or suspected, please consult with your local Sika representative prior to system application.
- Do not apply to concrete that is out-gassing.
- Be sure to allow for movement in the deck by the proper design and use of expansion and control joints.
- When applying Sikalastic® TC 225 HT at interior or contained spaces, provide adequate ventilation with a minimum of six air changes per hour.
- When adequate ventilation for use of Sikalastic Vehicular Traffic 1500 cannot be maintained, consider the use of Sikalastic Vehicular Traffic 2500 coating system.
- On steep ramps in excess of 15 %, contact your local Sika representative.
- Do not apply Sikalastic® TC 225 HT to concrete slabs on grade, unvented metal pan decks and split slab applications with a membrane between slabs.
- Avoid application of Sikalastic® TC 225 HT when inclement weather is present or imminent.
- Do not apply Sikalastic® TC 225 HT to damp, wet, or contaminated surfaces.

- Sikalastic Vehicular Traffic 1500 is not suitable for use where chained or metal-studded tires will be used.
- Sikalastic® TC 225 HT Tint Base is intended for pedestrian use only and is not suitable for vehicular traffic.
- Avoid whipping air into Tint Base.
- Always do a test area to ensure acceptable color appearance and slip resistance.
- Do not apply Sikalastic® TC 225 HT Tint Base heavier than the recommended 15–20 mil (0.38–0.51 mm) application.
- Colors exposed to direct sunlight may fade over a period of time. Darker colors potentially fade at an increased rate.
- Aggregate and substrate conditions may affect color and appearance.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

# APPLICATION INSTRUCTIONS

## SURFACE PREPARATION

Apply onto the Sikalastic® M 200:

- Allow to Sikalastic® M 200 a curing time of overnight (16-hour minimum).
- Extend the curing time in cool or dry weather conditions. The surface of Sikalastic® M 200 should have a slight tack.
- If the coating has been exposed for a prolonged period, consult Technical Service for recommendations.

## MIXING

### Sikalastic® TC 225 HT PRE-PIGMENTED

- Mix Sikalastic® TC 225 HT to ensure uniform colour and consistency, 3 minutes at low-speed (300 to 450 rpm), using a drill fitted with an Exomixer® or Jiffy type paddle suited to the volume of the mixing container. Keep the mixing paddle immersed constantly in the material to avoid introducing or entrapping air while mixing.

### Sikalastic® TC 225 HT TINT BASE

- Transfer entire contents of two (2) pigment cans into Sikalastic® TC 225 HT Tint Base mixed kit. Use a spatula or knife to remove all the pigment from the container. The Sikalastic® TC 225 HT Tint Base Top Coat requires two (2) Sikaflex®-900 color packs per 18.9 L (5 US gal) pail.  
Note: If using short-filled 9.5 L ((2.5 US gal) pails of Sikalastic® TC 225 HT Tint Base, only one (1) Sikaflex®-900 color pack is required.
- Scrape down sides and bottom of mixing vessel, then mix again for 2-3 minutes. Keep the mixing paddle submerged during mixing to avoid adding air into the mixture.
- To ensure consistent color throughout the pail, pour contents into separate container and continue mixing until all Tint Base has dispersed.
- When using multiple units, all units must be boxed to ensure color consistency.

## APPLICATION

- Apply 20 - 25 wet mils (0.51 - 0.64 mm) Sikalastic® TC 225 HT using a proper notched squeegee.
- Immediately backroll to level Sikalastic® TC 225 HT material.
- While the coating is still wet, broadcast 16–30 mesh, rounded silica sand (consumption depends on the type of traffic).

## CURING TREATMENT

- Allow curing time of 72 hours before vehicular use
- Extend the curing time in cool-weather conditions

## LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### Product Data Sheet

Sikalastic® TC 225 HT  
March 2026, Version 02.03  
02081200000002060

SikalasticTC225HT-en-CA-(03-2026)-2-3.pdf

