BUILDING TRUST

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.

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

USES

- Stadiums
- Balconies
- Parking Garages
- Commercial Construction
- Building and Restoration
- Plywood Decks/Balconies
- Plaza Decks

PRODUCT INFORMATION

Chemical Base	Sikalastic® TC 225 HT is an aliphatic, moisture-curing polyurethane available in grey, charcoal, tan, dark tan, and tint base.
Packaging	▪ 5 gallons (18.93 L) in 5-gallon pails ▪ 55 gallon (208 L) drums Grey & Charcoal Only
Color	Grey, Charcoal, Tan, Dark Tan, Tint Base
Shelf Life	When properly stored, Sikalastic® TC 225 HT products have the following shelf life: ▪ 5-Gallon Pail: 1 Year ▪ 55-Gallon Drum: 9 Months
Storage Conditions	Store in unopened containers in a cool, clean, dry area

Viscosity	2,000-4,000 cps *Cold temperatures will increase viscosity.
Solid content by mass	77%

TECHNICAL INFORMATION

Shore Hardness	89	(ASTM D 2240), Shore A
Tensile Strength	2,500 psi (17.2 MPa)	(ASTM D 412)
Elongation	502%	(ASTM D 412)
Cure Time	12–14 hours at 73 °F (23 °C) and 50% R.H.	
Waiting Time	Allow Sikalastic® TC 225 HT to cure for a min. of 72 hours before opening to vehicular traffic and 48 hours before pedestrian traffic.	

SYSTEM INFORMATION

Systems	▪ Sikalastic® Vehicular 1500 ▪ Sikalastic® Pedestrian 1500

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

- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 5 °F (3 °C) above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is 40 °F (4 °C); maximum is 95 °F (35 °C).
- Do not store materials outdoors exposed to sunlightfor prolonged periods.
- Do not thin with solvents.
- Use properly graded, oven dried aggregates only.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect though the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8–12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and for vapors into the building/structure during product application and cure.
- Opening to traffic or installation of separate wear course prior to final cure may result in loss of aggregate, or permanent staining and subsequent premature failure.
- Vehicle fluids and some high performance tires can stain the coating. Fluid spills should be removed promptly as the coating can in some cases be damaged from prolonged exposure.
- On grade, lightweight concrete, asphalt pavement, or insulated split slab applications, or applications where chained or studded tires may be used, must not be coated with Sikalastic Traffic Systems without Sika technical review. Contact Sika Technical Services or Product Engineering.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation and priming with a moisture-blocking primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion. Ponding water up to 72 hours is not considered as continuous immersion.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.
- Cracks or ruptures which develop in the structure after the waterproofing traffic system was installed will not be bridged by the waterproofing traffic system and need to be repaired according to the recommended

standard crack treatment details per this PDS.

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

Please see the preferred Sikalastic® Deck Coating Solution for total system and aggregate surface preparation and application.
Sikalastic® TC 225 HT Tint Base is intended for pedestrian use only and is not suitable for vehicular traffic.
Sikalastic® TC 225 HT Tint base should be mixed with two (2) Sikaflex®-900 color packs per 5 gallons in order to achieve the desired color tint. When using short-filled pails of Sikalastic® TC 225 HT (only 2.5-gallon fill), only one (1) Sikaflex®-900 color pack should be used.
When installing Sikalastic® TC 225 HT Tint Base, a second coat may be required for proper hiding.

MIXING

Thoroughly mix coating using a mechanical mixer (Jiffy) at slow speed until a homogenous mixture and uniform color is obtained (typically 1 minute). Use care not to allow the entrapment of air into the mixture.

MIXING - Sikalastic® TC 225 HT Tint Base

- Avoid whipping air into Tint Base.
- Mix pigment cans thoroughly 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.

APPLICATION

Apply at the recommended coverage rate using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating and backroll if required (see appropriate System Guide). Allow coating to cure a minimum of 12-14 hours at 70 °F and 50 % R.H between coats. When installing the Sikalastic® TC 225 HT Tint Base, a second coat may be required for proper hiding. A mock up should be performed to address any aesthetic expectations.

CLEANING OF TOOLS

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

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