



PRODUCT DATA SHEET

Sikalastic® TC 295

(formerly MSeal TC 295)

ALIPHATIC, POLYURETHANE TOPCOAT FOR SIKALASTIC TRAFFIC 2000 / 2500 / 2530 / 2575 DECK COATING SYSTEMS

PRODUCT DESCRIPTION

Sikalastic® TC 295 is an aliphatic, polyurethane top coat for use in Sikalastic® Traffic 2000, 2500, 2530, and 2575 deck coating systems.

Sikalastic® TC 295 is a two-component waterproofing coating. This material is a high-performing polyaspartic-modified polyurethane with high solids.

WHERE TO USE

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

CHARACTERISTICS / ADVANTAGES

- Sikalastic® TC 295 products are UV-resistant
- When used within a Sikalastic® Traffic or Pedestrian system, Sikalastic® TC 295 exhibits high adhesion
- Available in grey, charcoal, tint base and clear for customization with a multitude of colors and 9 standard blends of flake and quartz
- Sikalastic® TC 295 is a highly durable, low odor and high solids top coat

PRODUCT INFORMATION

CSC MasterFormat®

07 18 00 | TRAFFIC COATINGS

Composition / Manufacturing

Sikalastic® TC 295 is a polyaspartic-modified polyurethane with high solids available in grey, charcoal, tint base, and clear.

Packaging

Pigmented and Tint Base

- Sikalastic® TC 295 Part A 6.62 L (1.75 US gal.) in 22.71 L (6-US gal.) pail
- Sikalastic® TC 295 Part B 13.25 L (3.5 US gal) pail Clear
- Sikalastic® TC 295 Clear Part A 7.6 L (2 US gal.) in 6-US gal. pail
- Sikalastic® TC 295 Clear Part B 11.4 L (3 US gal.) in 3-US gal. pail

Shelf Life	Part A: 1 Year Part B: 1 Year	
Storage Conditions	Store in unopened containers in a cool, clean, dry area	
Colour	Grey, Charcoal, Tint Base (See Sika Color Portfolio), Clear	
Solid content by volume	Sikalastic® TC 295 Grey/Charcoal	91%
	Sikalastic® TC 295 Tint Base	91%
	Sikalastic® TC 295 Clear	91%
Viscosity	2,500- 4,000 (cps)	ASTM D 2393

TECHNICAL INFORMATION

Shore A Hardness	Sikalastic® TC 295 Grey/Charcoal	94	(ASTM D 2240)
	Sikalastic® TC 295 Tint Base	90	
	Sikalastic® TC 295 Clear	89	
Tensile Strength	Sikalastic® TC 295 Grey/Charcoal	23.4 MPa (3,400 psi)	(ASTM D 412)
	Sikalastic® TC 295 Tint Base	20.7 MPa (3,000 psi)	
	Sikalastic® TC 295 Clear	24.3 MPa (3,530 psi)	
Elongation at Break	Sikalastic® TC 295 Grey/Charcoal	340%	(ASTM D 412)
	Sikalastic® TC 295 Tint Base	390%	
	Sikalastic® TC 295 Clear	135%	

SYSTEMS

Compatibility	<ul style="list-style-type: none"> ▪ Sikalastic® Pedestrian 2000 ▪ Sikalastic® Vehicular 2000 ▪ Sikalastic® Pedestrian 2500 ▪ Sikalastic® Vehicular 2500 ▪ Sikalastic® Vehicular 2530 ▪ Sikalastic® Vehicular 2575
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APPLICATION INFORMATION

Ambient Air Temperature	between +4 °C and +32 °C (40 °F / 90 °F).
Dew Point	Substrate temperature must be at least 3 °C (5.5 °F) above measured dew point temperature.
Substrate Temperature	between +4 °C and +32 °C (40 °F / 90 °F).
Open Time	Sikalastic® TC 295 may have very short working time (20 min ± 5) at +21 °C (70 °F) and 50% R.H. Once the material has been mixed, the coating must be poured onto the surface and applied immediately.
Curing Time	Sikalastic® TC 295 cures in 4–8 hours when tested at 73 °F (23 °C) and 50% relative humidity. Allow curing time of 72 hours before vehicular use and 48 hours before pedestrian use.

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

- Thickness and re-coat window are critical; system will not work if installed differently.
- Substrate must be dry prior to application. Do not apply to frosted, wet, damp or contaminated surfaces. Allow sufficient time for substrate to dry to avoid potential for bonding problems.
- Avoid application when inclement weather is present or imminent.
- Protect from dampness, condensation and water contact during the initial 24 hours cure period.
- Do not store materials outdoors or exposed to sunlight for prolonged periods.
- Do not hand-mix or thin with solvents: mechanical mix only.
- Ensure proper ventilation.
- Direct-fired gas or kerosene heaters increase the carbon dioxide content in the air and also produce significant amounts of water vapour. Properly exhaust heaters to the exterior of the building to prevent damage to the work (such as but not limited to amine blush, whitening, debonding, etc.).
- Do not apply to concrete slabs on grade, unvented metal pan decks or split slab applications with a waterproofing membrane between slabs.
- Do not use self-leveling grade product on slopes greater than 15%. On steep ramps in excess of 15%, contact your local Sika representative.
- Do not coat expansion joints over 1" (25 mm) wide.
- Not suitable for use where chained or metalstudded tires will be used.

FOR BEST PERFORMANCE: Sikalastic® TC 295 TINT BASE ONLY

- Avoid whipping air into Tint Base.
- Mix pigment cans thoroughly into Tint Base.
- Always do a test area to assure acceptable color appearance and slip resistance.
- Do not apply Sikalastic® TC 295 heavier than the recommend 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 increase 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

SUBSTRATE PREPARATION

Please see preferred Sikalastic® Deck Coating Solution for detail surfacer preparation.

MIXING

MIXING – Sikalastic® TC 295 (PRE-PIGMENTED/CLEAR)

- Precondition both A and B components to a temperature of approximately 70 °F (21 °C).
- Add entire contents of Part A into Part B. Mix components with a slow-speed drill (400–600) rpm, for a minimum of 3 minutes. Scrape down sides and bottom of mixing vessel, then mix again for 2 minutes. Keep the mixing paddle submerged during mixing to avoid adding air into the mixture

MIXING – Sikalastic® TC 295 TINT BASE

- Precondition both A and B components to a temperature of approximately 70 °F (21 °C).
- Add entire contents of Part B into Part A. Mix components with a slow-speed drill (400–600) rpm, for a minimum of 3 minutes.
- Transfer entire contents of two (2) Sikaflex 900 color paks cans into Sikalastic® TC 295 Tint Base mixed kit. Use a spatula or knife to remove all the pigment from the container. The Sikalastic® TC 295 Tint Base Top Coat requires two (2) Sikaflex 900 color paks per 5.25-gallon pail.
- 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 Sikalastic® TC 295 Tint Base has dispersed.
- When using multiple units, all units must be boxed to ensure color consistency.

APPLICATION

Apply Sikalastic® TC 295 using a properly notched squeegee and Immediately back roll.

Please see the applicable Sikalastic® Deck Coating system data sheet for total system and aggregate surface preparation and application.

Exterior applications must utilize Sikalastic® TC 295 at the specified coverage rate.

Removal

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

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

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Product Data Sheet

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