

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.

USES

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

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	High-solids, aliphatic, polyurethane
Packaging	Pre-Pigmented and Tint Base (5.25 gallon kit) ▪ Part A: 1.75 gallons (6.62 L) in 6-gallon pail ▪ Part B: 3.5 gallon (13.25 L) in 3.5-gallon pail Clear (5 gallon kit) ▪ Part A: 2 gallons (7.6 L) in 6-gallon pail ▪ Part B: 3 gallons (11.4 L) in 3-gallon pail
Color	Grey, Charcoal, Tint Base (See Sika Color Portfolio), Clear
Shelf Life	Part A & B: 1 Year

Storage Conditions	Store in unopened containers in a cool, clean, dry area	
Viscosity	2,500- 4,000 (cps)	ASTM D 2393
Solid content by volume	91%	

TECHNICAL INFORMATION

Testing	Grey/Charcoal	94	(ASTM D 2240)
	Tint Base	90	
	Clear	89	
Tensile Strength	Grey/Charcoal	3,400 psi	(ASTM D 412)
	Tint Base	3,000 psi	
	Clear	3,530 psi	
Elongation	Grey/Charcoal	340%	(ASTM D 412)
	Tint Base	390%	
	Clear	135%	

APPLICATION INFORMATION

Cure Time	4–8 hours at 73 °F (23 °C) and 50% R.H.
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SYSTEM INFORMATION

Systems	▪ Sikalastic® Pedestrian 2000 ▪ Sikalastic® Vehicular 2000 ▪ Sikalastic® Pedestrian 2500 ▪ Sikalastic® Vehicular 2500 ▪ Sikalastic® Vehicular 2530 ▪ Sikalastic® Vehicular 2575
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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 90 °F (32 °C). Frequent monitoring of ambient and substrate temperature should always be done when applying polyurethane coatings. Note that low temperatures and low humidity will slow down the cure, and high temperatures and high humidity will accelerate it.
- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Use properly graded, oven dried aggregates only.
- Minimum age of concrete must be 21–28 days, depending on curing and drying conditions.
- 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.
- Opening to traffic or installation of separate wearing 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.

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 preferred Sikalastic® Deck Coating Solution for detail surfer 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).
- Transfer entire contents of two (2) Sikaflex 900 color paks into part A Sikalastic® TC 295 Tint Base. Mix pigment and part A with a slow-speed drill (400-600 rpm), until color is homogenized.
- Add entire contents of Part B into mixed Part A. 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 2-3 minutes. Keep the mixing paddle submerged during mixing to avoid adding air into the mixture.
- When using multiple units, boxing will be recommended to ensure color consistency.

NOTE: The Sikalastic® TC 295 Tint Base Top Coat requires two (2) Sikaflex 900 color paks per 5.25-gallon pail.

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APPLICATION

Apply at the recommended coverage rate (see appropriate System Guide) 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). Please see the applicable Sikalastic® Deck Coating system data sheet for total system and aggregate surface preparation and application.

Removal

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

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 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.

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