



PRODUCT DATA SHEET

Sikalastic® TC 275

(formerly MSeal TC 275)

AROMATIC POLYURETHANE TOPCOAT FOR SIKALASTIC TRAFFIC 2000, 2500, 2575 AND 2850 DECK COATING SYSTEMS

PRODUCT DESCRIPTION

Sikalastic® TC 275 is an aromatic, polyurethane top coat for use in Sikalastic Traffic 2000, 2500, 2575 and 2850 deck coating systems.

Sikalastic® TC 275 is a two-component, fast-curing waterproofing coating. This material has outstanding mechanical properties, including high tensile strength and excellent tear and abrasion resistance with high solids.

USES

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

CHARACTERISTICS / ADVANTAGES

- An economical, two-component waterproofing coating
- Durable intermediate coat with high strength
- Ideal for underground or interior applications
- Sikalastic® TC 275 is a high solids top coat with low VOC
- Excellent chemical resistance helps protect against common parking deck chemicals

PRODUCT INFORMATION

Chemical Base	Aromatic Polyurethane
Packaging	4.78 gallon (18.1 L) unitized kit
Color	Grey, Charcoal, and Black
Shelf Life	15 months
Storage Conditions	Store in unopened containers in a cool, clean, dry area
Viscosity	1,600 cps* *Cold temperatures will increase viscosity.

TECHNICAL INFORMATION

Shore Hardness	Shore a 94	ASTM D 2240
Testing	94	(ASTM D 2240)
Tensile Strength	3,000 psi (20.7 MPa)	(ASTM D 412)
Elongation at Break	30%	(ASTM D 412)
Pot Life	20 minutes	
Cure Time	3–4 hours at 73 °F (23 °C) and 50% R.H.	

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 41 °F (5 °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.
- Coating materials will become more viscous at lower application temperatures and be more difficult to spread, which may affect coverage rates.
- Do not store materials outdoors exposed to sunlight for 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 through 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 a 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 from prolonged exposure
- On grade, lightweight concrete, asphalt pavement, 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 evaluation to determine substrate moisture content and priming with a moisture-blocking primer.
- Do not subject to continuous immersion.

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 surfacer preparation.

MIXING

Premix both A and B components. 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.

Sikalastic® TC 275 has very short working time (20 +/- 5 minutes). Once material has been mixed, the coating must be poured onto the surface and applied immediately.

APPLICATION

Apply Sikalastic® TC 275 using a properly notched squeegee and immediately back roll. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating and back roll if required (see appropriate System Data Sheet). Allow coating to cure 3-4 hours before proceeding with next coat. Allow Sikalastic® TC 275 to cure a minimum of 24 hours before opening to vehicular traffic.

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

Where UV resistance is required, the application of Sikalastic® TC 295 is recommended. Sikalastic® TC 275 will discolor if exposed to UV light.

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

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Product Data Sheet

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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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