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TECHNICAL DATA SHEET

Sikalastic® TC 275

Manufacturer: Sika Canada Inc.

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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 featuring outstanding mechanical properties, including high tensile strength and excellent tear and abrasion resistance with high solids content.

WHERE TO USE

- Stadiums
- Balconies
- Parking garages
- Commercial construction
- New construction 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
- Available in grey, charcoal and black
- Sikalastic® TC 275 is a high solids top coat with low VOC
- Excellent chemical resistance helps protect against common parking deck chemicals

PRODUCT INFORMATION

CSC MasterFormat®	07 18 00 TRAFFIC COATINGS
Composition / Manufacturing	Aromatic polyurethane
Packaging	18.1 L (4.78 US gallon) unitized kit
Shelf Life	1.25 years (when properly stored)
Storage Conditions	Store in unopened containers in a cool, clean, dry area
Colour	Grey, Charcoal, and Black
Solid content by volume	96 %

Viscosity

1,600 cps*

*Cold temperatures will increase viscosity.

TECHNICAL INFORMATION

Shore A Hardness	94	(ASTM D2240)
Tensile Strength	20.7 MPa (3,000 psi)	(ASTM D412)
Elongation at Break	30 %	(ASTM D412)

APPLICATION INFORMATION

Ambient Air Temperature	Between +4 °C and +32 °C (40 °F and 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 and 90 °F).
Open Time	Sikalastic® TC 275 may have very short working time (20 minutes ± 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 275 cures in 3–4 hours when tested at +23 °C (73 °F) and 50 % relative humidity. Allow a 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

- Sikalastic® TC 275 is not recommended for exterior applications. Use Sikalastic® TC 295 for exterior applications.
- 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-levelling 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 25 mm (1 in) wide.
- Not suitable for use where chained or metal-studded tires will be used.

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

Refer to Sikalastic® Deck Coating Solution guide for surface preparation details.

MIXING

Precondition both A and B components to a temperature of approximately +21 °C (70 °F). Add entire contents of Part A into Part B. Mix components with a

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slow-speed drill (400 – 600 rpm), for a minimum of three (3) minutes. Scrape down sides and bottom of mixing vessel, then mix again for two (2) minutes. Keep the mixing paddle submerged during mixing to avoid entrapping air into the mixture.

Note: Product 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 an appropriate notched squeegee and back roll immediately.

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

CLEAN UP

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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