BUILDING TRUST

SYSTEM DATA SHEET

Sikalastic® Vehicular Traffic 2575

HIGH-SOLIDS POLYURETHANE WATERPROOFING, TRAFFIC-BEARING MEMBRANE SYSTEM FOR VEHICULAR AREAS.

PRODUCT DESCRIPTION

Sikalastic® Vehicular Traffic 2575 is a fluid-applied polyurethane waterproofing system using fast-setting, two-component reactive curing mechanisms. It has very low odor and is VOC compliant.

Sikalastic® Vehicular Traffic 2575 is composed of:
- Sikalastic® M 270 NP - a two-component, fast-curing polyurethane base coat
- Sikalastic® TC 275 – a two-component fast curing aromatic polyurethane top coat
- Sikalastic® TC 295 – a high performance, two-component, aliphatic, polyaspartic-modified, high solids, polyurethane waterproofing coating

For projects specifying primer, please consult a Sika Representative.

USES

Sikalastic® Vehicular Traffic 2575 may only be used by experienced professionals.

- Stadiums
- Parking Garages
- Commercial Construction
- Building and Restoration
- Plywood Decks

CHARACTERISTICS / ADVANTAGES

- Provides skid resistance to increase safety and offers excellent durability and superior abrasion resistance
- Two-component system provides faster setting times, even in cooler climates, to help reduce facility downtime
- Low odor/high solids allow Sikalastic® Vehicular Traffic 2575 to be used over or near inhabited structures; Non-flammable and solvent-free
- Seamless waterproof membrane helps protect concrete from freeze/thaw damage; protects occupied spaces below from water damage and has no seams that may result in leaks
- Excellent chemical and chloride resistance helps protect against common parking deck chemicals including gasoline, diesel fuel, oil, alcohol, ethylene glycol, de-icing salt, bleach and cleaning agents as well as chloride intrusion

APPROVALS / STANDARDS

- CSA S413
- ASTM C 957

SYSTEM INFORMATION

System Structure	▪ Sikalastic® M 270 NP ▪ Sikalastic® TC 275 ▪ Sikalastic® TC 295

Composition	100% Solids
Color	For color options, please refer to the corresponding Product Data Sheets

TECHNICAL INFORMATION

Abrasion Resistance	CS-17 Wheel, 1,000 g load, 1,000 cycles, Sikalastic® M 270 NP / TC 275 / TC 295	47	ASTM D 4060

APPLICATION INFORMATION

Test Results	Allow curing time of 24 hours before vehicular and pedestrian use. Extend the curing time in cool-weather conditions.

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

- Sikaflex® HY 100 and Sikaflex® HY150 should not be used in conjunction with these urethane deck coating system due to potential for curing issues.
- If vapor drive is present or suspected, please consult with your local Sika representative prior to system application.
- Minimum application temperature is 40 °F (4 °C). Contact technical support when temperatures are above 90 °F (32 °C)
- Do not apply to concrete that is outgassing
- Warm temperatures will shorten working time; plan work accordingly
- Concrete should have a minimum compressive strength of 3,000 psi and be cured for a minimum of 28 days
- Do not apply the Sikalastic® Vehicular Traffic 2575 system to concrete slabs on grade, splits slabs with a sandwiched waterproofing membrane, unvented metal pan decks or plywood decks.
- Do not apply the Sikalastic® Vehicular Traffic 2575 system to a concrete deck that has deflection exceeding L/480.
- Sikalastic® 350 is a rigid epoxy material and may crack due to substrate flex and movement under the membrane system. Do not install Sikalatic® 350 over moving sealant joints.
- The best method to ensure the proper wet film thickness is the use of a grid system. Divide the surface to be coated into grids and calculate the square footage of each. Refer to the coverage chart to determine the quantity of coating needed for each grid to arrive at the required mil thicknesses.
- Avoid application of Sikalastic® Vehicular Traffic 2575 traffic deck coatings when inclement weather is present or imminent.
- Do not apply Sikalastic® Vehicular Traffic 2575 to damp, wet or contaminated surfaces
- Terminate Sikalastic® 350 at the base of vertical wall areas with a sealant cant bead. It may be required to cover the sealant cant bead and up the wall with either Sikalastic® Vehicular Traffic 2500 or Sikalastic® TC 225.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the sole purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
- On steep ramps in excess of 15%, contact your local Sika representative. Do not use self-leveling grade product on slopes greater than 15%.

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

Concrete

1. Concrete must be fully cured (28 days), structurally sound, clean and dry (ASTM D 4263). All concrete surfaces (new and old) must be shot blasted to remove previous coatings, laitance and all miscellaneous surface contamination and to provide profile for proper adhesion. Abrasive shot blasting must occur after concrete repair has taken place. Acid-etching is not permitted. Proper profile should be a minimum of ICRI CSP- 3 (as described in ICRI document 03732.)
For balconies and other pedestrian areas with limited space or access for shot-blasting, alternative mechanical

methods can be used to achieve the recommended surface profile.
2. Repair voids and delaminated areas with Sika branded cementitious and epoxy patching materials. For application when fastturn repairs are required, Sikalastic®-350 can be used to repair patches up to 1.5" in depth when used in aggregate slurry mix. Please refer to the Sikalastic®-350 product Data sheet for proper application techniques.
3. All units must be applied within the specified pot life.

Surface Pre-Striping and Detailing

1. For non-moving joints and cracks less than 1⁄16" (1.6 mm) wide, apply 25 wet mils (0.6 mm) prestriping of Sikalastic® M 270 NP. Sikalastic® M 270 NP must be applied to fill and overlap the joint or crack 3" (76 mm) on each side. Feather the edges.
2. Dynamic cracks and joints over 1⁄16" (1.6 mm) wide must be routed to a minimum of ¼ by ¼" (6 by 6 mm) and cleaned. Install bond breaker tape to prevent adhesion to bottom of joint. Fill joints deeper than ¼" (6 mm) with appropriate backer rod and Sikaflex® SL 1™/ SL 2™ (slope grade or selfleveling) or Sikaflex® NP 1™/ NP 2™. For cracks, sealant should be flush with the adjacent surface. For expansion joints, sealant should be slightly concave. After the sealant has cured, apply 25–30 wet mils (0.64–0.77 mm) of Sikalastic® M 270 NP pre-stripping over the cured sealant, overlap the joint 3" (76 mm) on each side.
3. Sealed joints 1" (25 mm) wide or less can be coated over with the Sikalastic® Traffic system. Expansion joints exceeding 1" (25 mm) wide, including the primary wide expansion-joint system, are not to be coated so they can perform independently of the deck coating system.
4. Form a sealant cant into the corner at the junction of all horizontal and vertical surfaces (wall sections, curbs, columns) applying a 1" (25 mm) wide bead of Sikaflex® NP 1™/ NP 2™. Tool to form a 45° cant. Apply masking tape to the vertical surfaces 4–5" (102–127 mm) above the sealant cant to provide a clean termination of the vertical detail coat. After the sealant has cured, apply 25 wet mils (0.64 mm) of Sikalastic® M 270 NP over the cured cant up to the masking tape and 4" (102 mm) onto deck surface.
5. Where the coating system will be terminated and no wall, joint, or other appropriate break exists, cut a ¼ by ¼" (6 by 6 mm) keyway into the concrete. Fill and coat keyway during application of Sikalastic® M 270 NP.
6. In locations of high movement such as wall and slab intersections, a reinforcing fabric is required. After the sealant cant bead is applied and cured, apply 25 wet mils of Sikalastic® M 270 NP over the sealant and embed Sikalastic® Fleece-996 or Sika® Flexitape Heavy reinforcing fabric into the wet detail coat.

Uncoated Metal Surfaces

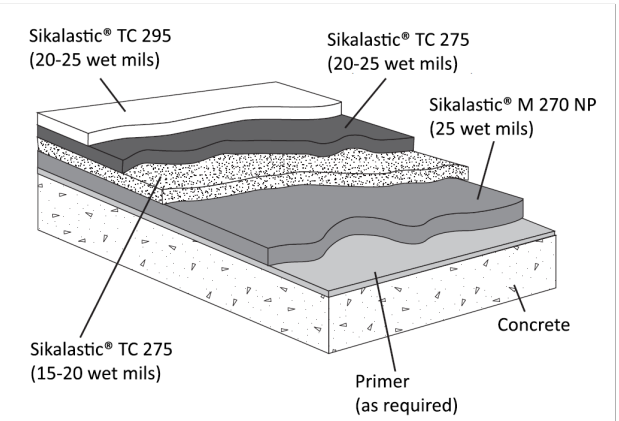
1. Remove dust, debris and any other contaminants from vent, drain pipe and post penetrations, reglets and other metal surfaces. Clean surfaces to near white per SSPC-NACE2 and prime with appropriate primer for Sikaflex sealant. Provide appropriate cant with Sikaflex® NP 1™/ NP 2™ sealants to eliminate 90° angles.

MIXING

Please refer to the specific PDS for Mixing instructions

APPLICATION

SIKALASTIC® VEHICULAR TRAFFIC



1. Prime substrate if required
2. Apply 25 wet mils (0.63 mm) of Sikalastic® M 270 NP with a proper notched squeegee at the rate of approximately 55–60 ft² /gal (1.35– 1.47 m² /L). Immediately backroll to level base coat. Allow base coat to cure 3–4 hours.
3. Apply 15–20 wet mils (0.38–0.51 mm) of Sikalastic® 275 intermediate top coat using a properly notched squeegee at the rate of approximately 80–100 ft² /gal (1.96-2.45 m² /L). Immediately backroll to evenly level topcoat. Utilize the aggregate to refusal method described in step 4A or broadcast and backroll method in 4B next.

4. AGGREGATE
4A. AGGREGATE TO REFUSAL METHOD - Immediately broadcast aggregate 16–30 or equivalent rounded silica sand into the wet coating at the rate of 20–35 lbs/100 ft² (1.0–1.75 kg/m²). Immediately after the aggregate broadcast and while the coating is still wet, blow any excess aggregate via a portable blower forward into the wet coating. Do not over apply aggregate; it is acceptable to have localized wet spots in the aggregate surface after completion of this method. This process requires coordination between all members in the work crew. The blower operator, wearing clean spiked shoes, should blow the excess aggregate forward towards the freshly applied and backrolled topcoat. In this method, the coating should not accept additional sand, minimal excess aggregate is on the surface, less aggregate is used and the textured appearance should be fairly uniform.
4B. BROADCAST AND BACKROLL METHOD - Immediately broadcast aggregate 16–30 or equivalent rounded silica sand into the wet coating and backroll to encapsulate the aggregate. Evenly broadcast aggregate at the rate of 15–25 lbs/100 ft² /gal (0.75–1.25 kg/m²).
5. Remove all excess or loose aggregate by sweeping or vacuuming.
6. Ensure there is no moisture on the surface of the aggregate/membrane before application of next coat.
7. Apply the second intermediate coat of Sikalastic® TC 275 at 20–25 wet mils (0.51–0.63 mm) at the rate of 60–80 ft² /gal (1.96–2.45 m² /L) repeating steps 4 through 6. The next step 4, can utilize either method described in 4A or 4B.
8. Apply 20–25 wet mils (0.51–0.63 mm) of Sikalastic® TC 295 at a rate of 60–80 ft² /gal (1.96–2.45 m² /L) using a flat squeegee.
9. Immediately backroll to evenly level topcoat.
10. Immediately broadcast aggregate 16–30 or equivalent rounded silica sand at the rate of 3–5 lbs/100 ft² (0.15–0.25 kg/m²). Lightly backroll into top coat.
11. Allow minimum curing time of 24–48 hours before allowing vehicular traffic onto the coating. Existing environmental conditions effect the allowable time period.

IMPORTANT NOTE: All coverage rates are approximate and may vary due to the application technique used. Coverage rates are affected by substrate texture, choice and distribution of aggregate, intermediate aggregate load and environmental conditions and application methods and are not under the control of Sika. Ensure that an adequate amount of aggregate is utilized to achieve required slip resistance. Exterior applications must utilize Sikalastic® TC 295 at the specified coverage rate of 15–20 wet mils.

MOCKUP
1. Provide mockup of at least 100 ft² (9.3 m²) to include surface profile, sealant joint, crack, flashing and juncture details and allow for evaluation of slip resistance and appearance.
2. Install mockup with specified coating types and with other components noted.
3. Locate where directed by architect.
4. Mockup may remain as part of work if acceptable to architect.

CLEANING OF TOOLS

Clean all tools and equipment immediately after use with SikaSwell® 990 or xylene. Cured material must be removed mechanically.

MAINTENANCE

MAINTENANCE

See Sikalatic® Traffic maintenance technical bulletin. Regular cleaning and maintenance will prolong the life of all polymer coatings systems, enhance their appearance and reduce any tendency to retain dirt.

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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