BUILDING TRUST

SYSTEM DATA SHEET

Sikalastic® Pedestrian Traffic 1500

POLYURETHANE WATERPROOFING, TRAFFIC-BEARING MEMBRANE SYSTEMS FOR PEDESTRIAN AREAS.

PRODUCT DESCRIPTION

Sikalastic® Pedestrian Traffic 1500 is a waterproofing system consisting of:

- Sikalastic® M 200, a one-component, moisture-curing polyurethane
- Sikalastic® TC 225, a one-component aliphatic moisture-curing polyurethane
  - Note: Sikalastic® TC 225 Tint Base is intended for pedestrian use only and is not suitable for vehicular traffic.

For projects specifying primer, please consult a Sika Representative.

USES

Sikalastic® Pedestrian Traffic 1500 may only be used by experienced professionals.

- Stadiums
- Parking Garages
- Plaza Decks
- Building and Restoration
- Balconies (Plywood)

CHARACTERISTICS / ADVANTAGES

- Primer coats are not typically required which helps to reduce labor and material costs
- Waterproof to protect concrete from freeze/thaw damage; protects occupied areas below from water damage
- Excellent chloride resistance provides protection against chloride intrusion; extends the life of reinforcing steel
- Seamless waterproof membrane protects concrete from freeze/thaw damage; protects occupied areas below from water damage; has no seams that may result in leaks
- Provides skid resistance to increase safety and offers excellent durability and superior abrasion resistance
- Repairable and recoatable to extend the useful life of the system

APPROVALS / STANDARDS

- UL 790 Class A Fire Rating
- ASTM C 957
- ASTM E 108
- ASTM E 84
- CSA S413

SYSTEM INFORMATION

System Structure	▪ Sikalastic® M 200 ▪ Sikalastic® TC 225
Composition	Sikalastic® Pedestrian Traffic 1500 is a moisture-curing polyurethane system.
Color	For color options, please refer to the corresponding Product Data Sheets

APPLICATION INFORMATION

Drying Time	Allow curing time of 72 hours before pedestrian use. Extend 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® HY 150 should not be used in conjunction with this 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.
- Concrete should have a minimum compressive strength of 3,000 psi (20.7 MPa) and be cured for a minimum of 28 days.
- Do not apply to concrete that is out-gassing.
- Be sure to allow for movement in the deck by the proper design and use of expansion and control joints.
- When applying sealants, use backing materials according to industry standards.
- Do not apply when substrate temperatures are over 110 °F (32 °C) or under 40 °F (4 °C).
- When adequate ventilation for use of Sikalastic® Pedestrian Traffic 1500 cannot be maintained, consider the use of Sikalastic® Pedestrian Traffic 2500 coating system.
- Be certain that all aggregate not properly encapsulated is thoroughly removed.
- Substrate temperature must be more than 5 degrees above dew point during application and cure.
- Sikalastic® TC 225 Tint Base is intended for pedestrian use only and is not suitable for vehicular traffic.
- Do not apply Sikalastic® Pedestrian Traffic 1500 to concrete slabs on grade, unvented metal pan decks, and split slab applications with a membrane between slabs.
- Select the proper amount of aggregate to promote slip resistance.
- The best method to ensure average wet film thickness is the use of a grid system. Divide the surface area to be coated into grids and calculate the square footage of each. For example, one pail of Sikalastic® M 200 applied at 55–60 ft²/gal should cover approximately 275–300 sq ft or a minimum grid of 16 x 16 ft at 25 wet mils. The wet film thickness can also be verified with a wet film thickness gauge. Verify coverage via site mockup.
- Pre-stripe to level out recessed sealant joints (less than 1" [25 mm]) for optimal aesthetic appearance.
- Avoid the application of Sikalastic® Pedestrian Traffic 1500 when inclement weather is present or imminent.
- Do not apply Sikalastic® Pedestrian Traffic 1500 to damp, wet, or contaminated surfaces.
- Sikalastic® Pedestrian Traffic 1500 is not suitable for use where chained or metal-studded tires will be used.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
- CAD & PDF deck coating details are available for download from our website; Sika Customer Service can direct you to the site.

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.)
2. Repair voids and delaminated areas with Sika branded cementitious and epoxy patching materials. For application when fast-turn 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 Technical Data Guide for proper application techniques.
3. All units must be applied within the specified pot life.

Surface Pre-stripping And Detailing

1. For nonmoving joints and cracks less than 1⁄16" (1.6 mm) wide, apply primer when required, followed by 25 wet mils (0.6 mm) pre-striping of Sikalastic® M 200. Sikalastic® M 200 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 1⁄16" (1.6 mm) and greater wide must be routed to a minimum of ¼ by ¼" (6 by 6

mm) and cleaned. Install bond breaker tape to prevent adhesion of sealants to the 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 concrete surface. Once the sealant is cured the lines should be prestriped with base coat Sikalastic@ M 200 overlap the joint 3" (76 mm) on each side.
3. Sealed joints 1" (25 mm) or less can be coated over with Sikalastic® Pedestrian Traffic 1500. Expansion joints exceeding 1" (25 mm) wide should not be coated over with Sikalastic® Pedestrian Traffic 1500 so that they can perform independently of the deck coating system.
4. Where the coating system will be terminated and no wall, joint or other appropriate break exists, cut a 1/4" x 1/4" (6 x 6 mm) keyway into the concrete. Fill and coat keyway during application of Sikalastic® M 200.
5. Form a sealant cant into the corner at the junction of all horizontal and vertical surfaces (wall sections, curbs, columns). Apply a .–1" (13–25 mm) wide bead of Sikaflex® NP 1™/ NP 2™. Tool to form a 45 degree 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 mils (0.64 mm) of Sikalastic® M 200 over the cured cant up to the masking tape and 4" (102 mm) onto deck surface.
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 200 over the sealant and embed Sikalastic® Fleece-996 reinforcing fabric into the wet detail coat.

Uncoated Metal Surfaces

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 Sikaflex primer. Provide appropriate cant with Sikaflex® NP 1™/ NP 2™. Apply a detail coat of 25 wet mils of Sikalastic M 200 over the primed metal and sealant.

Plywood

1. All plywood must be smooth-faced, APAstamped and exterior grade tongue and groove. Construction must conform to code, but plywood must not be less than 23⁄32" (20 mm) thick. Plywood spacing and deck construction must follow APA guidelines.
2. Surfaces must be free of contaminants. Priming is not necessary on clean, dry plywood.
3. All seams must be caulked with Sikaflex® NP 1™/ NP 2™ sealants (see Form Nos. 1017906 and 1017911). Prestripe 4–6" (102–152 mm) wide with 25 wet mils (0.6 mm) of Base Coat. Reinforce all seams between plywood sheets and between flashing and the plywood deck by embedding Sikalastic® Fleece-996 into the pre-striping.

MIXING

Please refer to the specific PDS for Mixing instructions.

APPLICATION

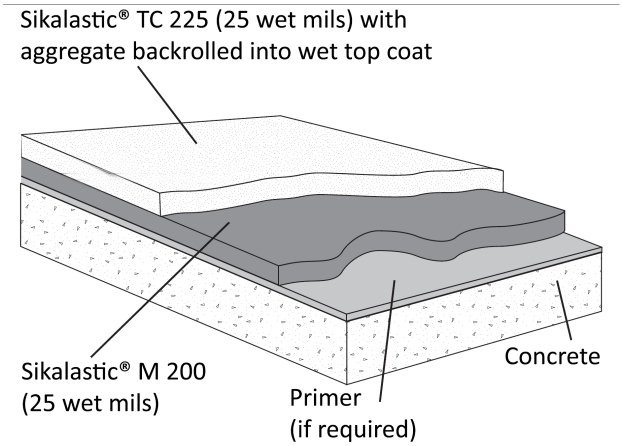
PRIMER

NOTE: When primer is required on a job, see Sikalastic® M 200 Technical Data Sheet for suitable primers

Sikalastic M 200

1. All preparatory work must be completed before application begins. Be certain the substrate is clean, dry, stable and properly profiled. Sealants and pre-striping should be properly cured. Apply the base, mid and finish coats with a properly sized squeegee to arrive at the required mil thicknesses.
2. Apply Sikalastic® M 200 at 25 wet mils thick (0.64 mm) using a proper notched squeegee to entire deck surface, and back roll, overcoating the properly prepared cracks, joints and flashings. For sloped areas, use slope-grade Sikalastic® M 200. Do not coat expansion joints over 1" (25 mm) wide. Slope grade product should be used on a slope up to 15%.
3. Allow curing time of overnight (16-hour minimum). Extend the curing time in cool or dry weather conditions. The surface of Sikalastic M 200 should have a slight tack. If the coating has been exposed for a prolonged period, consult Technical Service for recommendations.

LIGHT TO MEDIUM TRAFFIC SYSTEM



PEDESTRIAN TRAFFIC SYSTEMS

1. Prime substrate if required, see Sikalastic® M 200 Technical Data Sheet for suitable primers
2. Apply 25 (0.64 mm) wet mils of Sikalastic® M 200 using a proper notched squeegee at 55–60 ft²/gal (1.35–1.47 m²/L). Immediately backroll to level base coat. Allow to cure overnight.
3. Apply 25 wet mils (0.64 mm) Sikalastic® M 200 using a proper notched squeegee at 55–60 ft²/gal (1.35–1.47 m²/L). Immediately backroll to level Sikalastic® TC 225 material.
4. BROADCAST AND BACKROLL METHOD: While the coating is still wet, broadcast 16–30 rounded silica sand at 15–25 lbs/100 ft²/ gal (0.75–1.25 kg/m²), then backroll into the coating to fully encapsulate.

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 Sikalastic® 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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