BUILDING TRUST
CONSTRUIRE LA CONFIANCE

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 base coat
- Sikalastic® TC 225, a one-component aliphatic moisture-curing polyurethane topcoat

Note: Sikalastic® TC 225 Tint Base is intended for pedestrian use only and is not suitable for vehicular traffic.

WHERE TO USE

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 / CERTIFICATES

- UL 790 Class A Fire Rating
- ASTM C957
- ASTM E108
- ASTM E84
- CSA S413

SYSTEMS

System Structure	▪ Sikalastic® M 200 ▪ Sikalastic® TC 225
Composition	Moisture-curing polyurethane system
Colour	For colour options, refer to the corresponding Product Data Sheets.

APPLICATION INFORMATION

Applied Product Ready for Use	Allow curing time of 72 hours before pedestrian use. Extend curing time in cool-weather conditions.

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.

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 QUALITY

Concrete must be fully cured (28 days), structurally sound, clean, and dry (ASTM D4263)

SUBSTRATE PREPARATION

Concrete

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.) Repair voids and delaminated areas with Sika® cementitious and epoxy patching materials. For application when fast-turn repairs are required, Sikalastic®-350 can be used to repair patches up to 38 mm (1.5 in) in depth when used in aggregate slurry mix. Please refer to the Sikalastic®-350 Technical Data Guide for proper application techniques. All units must be applied within the specified pot life.

Surface Pre-stripping And Detailing

For non-moving joints and cracks less than 1.6 mm ($1/16$ in) wide, apply primer when required, followed by 0.6 mm (5 mil) pre-striping of Sikalastic® M 200. Sikalastic® M 200 must be applied to fill and overlap the joint or crack 76 mm (3 in) on each side. Feather the edges. Dynamic cracks and joints 1.6 mm ($1/16$ in) and greater wide must be routed to a minimum of 6 mm x 6 mm (¼ x ¼" in) and cleaned. Install bond breaker tape to prevent adhesion of sealants to the bottom of joint. Use Sikaflex® Primer if required. Fill joints deeper than 6 mm (¼ in) with appropriate backer-rod and Sikaflex® SL 1 or Sikaflex® SL 2 (slope grade or self-levelling) or Sikaflex® NP 1 or Sikaflex® SL 2 sealant). 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 76 mm (3 in) on each side.
Sealed joints 25 mm (1 in) or less can be coated over with Sikalastic® Pedestrian Traffic 1500. Expansion joints exceeding 25 mm (1 in) wide should not be coated over with Sikalastic® Pedestrian Traffic 1500 so that they can perform independently of the deck coating system.
Where the coating system will be terminated and no wall, joint or other appropriate break exists, cut a " x " (6 mm x 6 mm) keyway into the concrete. Fill and coat keyway during application of Sikalastic® M 200. Form a sealant cant into the corner at the junction of all horizontal and vertical surfaces (wall sections, curbs, columns). Apply a 13–25 mm (1/2 –1 in) wide bead of Sikaflex® NP 1 or Sikaflex® NP 2 sealant. Tool to form a 45 degree cant. Apply masking tape to the vertical surfaces 102–127 mm (4–5 in) above the sealant cant to provide a clean termination of the vertical detail coat. After the sealant has cured, apply 0.64 mm (25 mil) of Sikalastic® M 200 over the cured cant up to the masking tape and 102 mm (4 in) onto deck surface. 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 Sikalastic® M 200 at 0.64 mm (25 mil) w.f.t. 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 immediately with the appropriate Sikaflex® Primer. Provide appropriate cant with Sikaflex® NP 1 or Sikaflex® NP2. Apply a detail coat of Sikalastic® M 200 at 0.64 mm (25 mil) w.f.t. over the primed metal and sealant.

Plywood

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 20 mm (23⁄32 in) thick. Plywood spacing and deck construction must follow APA guidelines. Surfaces must be free of contaminants. Priming is not necessary on clean, dry plywood. All seams must be caulked with Sikaflex® NP 1 or Sikaflex® NP 2 sealant (see Form Nos. 1017906 and 1017911). Prestripe 102–152 mm (4–6 in) wide with base coat applied at 0.64 mm (25 mil) w.f.t. Reinforce all seams between plywood sheets and between flashing and the plywood deck by embedding Sikalastic® Fleece-996 into the pre-striping.

MIXING

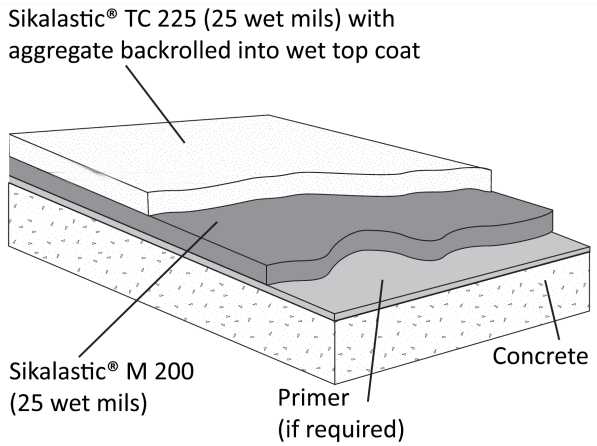
Please refer to the specific PDS for Mixing instructions.

APPLICATION

PRIMER
When primer is required on a job, contact your local Sika Canada representative.

Sikalastic® M 200
All preparatory work must be completed before application of the system begins. Make sure that 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. Apply Sikalastic® M 200 at 0.64 mm (25 mil) w.f.t. 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 25 mm (1 in) wide. Slope grade product should be used on a slope greater than 15 %. 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, contact Sika Canada Technical Service for recommendations.

LIGHT TO MEDIUM TRAFFIC SYSTEM



PEDESTRIAN TRAFFIC SYSTEMS
Priming of the substrate is required, consult your Sika Canada Representative for details.

Apply Sikalastic® M 200 at 0.64 mm (25 mil) w.f.t using a proper notched squeegee at a rate of 1.35–1.47 m²/L (55–60 ft²/US gal). Immediately backroll to level base coat. Allow to cure overnight.

Apply Sikalastic®TC 225 at 0.64 mm (25 mil) w.f.t using a proper notched squeegee at a rate of 1.35–1.47 m²/L (55–60 ft²/US gal). Immediately backroll to level Sikalastic®TC 225 material.

Broadcast and Backroll Method: While the coating is still wet, broadcast oven-dried,16–30 rounded quartz sand at a rate of 0.75–1.25 kg/m² (15–25 lb/100 ft²/US gal), then backroll into the coating to fully encapsulate the aggregate.

CLEAN UP

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

MAINTENANCE

CLEANING

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 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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