

PRODUCT DATA SHEET

Sikalastic®-395

Two-component, solvent-free, aliphatic traffic bearing wear and top coat

PRODUCT DESCRIPTION

Sikalastic®-395 is a two-component, chemically cured, elastomeric aliphatic polyurethane coating intended for use as the traffic bearing wear and top coat over Sikalastic®-390 polyurethane waterproofing membrane and over Sikalastic®-391 polyurethane intermediate wear coat for pedestrian and vehicular traffic bearing applications, and as a UV resistant seal coat for Sikadur® 22-Lo Mod epoxy broadcast wear coat, and as a UV resistant seal coat for Sikadur® 22-Lo-Mod epoxy broadcast wear coat.

USES

- Multi-story parking garages
- Parking decks and ramps
- Foot bridges and walkways
- Mechanical rooms
- Stadiums and arenas
- Plaza and rooftop decks
- Balconies

CHARACTERISTICS / ADVANTAGES

- Low odor and fast turnaround
- Excellent crack-bridging properties and flexibility, even at low temperatures
- Outstanding resistance to abrasion and wear
- Long term UV resistance
- Resistant to deicing salts
- Range of standard colors

PRODUCT INFORMATION

Packaging	10 gal. two component kit, 2x 4.5 gal. comp. A, 2x 0.5 gal. comp. B
Appearance / Color	Gray, Charcoal , Tan , Dark Gray ; custom colors available (min.600 gal.)
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store dry at 41–95 °F (5–35 °C). Condition material to 65–85 °F (18–30 °C) before using.
Solid content by volume	100 % (ASTM D-2697)
Volatile organic compound (VOC) content	< 10 g/L (ASTM D-2369-81)

TECHNICAL INFORMATION

Shore A Hardness	85 +/- 5	(ASTM D-2240) 75 °F (24 °C) 50 % R.H.
Abrasion Resistance	15 mg loss	(ASTM D-4060) Taber Abraser, CS-17 Wheel: 1000 g (2.2 lb)/1000 cycles
Tensile Strength	2500 psi +/- 300 psi	(ASTM D-412) 75 °F (24 °C) 50 % R.H.
Elongation at Break	450 % +/- 50 %	(ASTM D-412) 75 °F (24 °C) 50 % R.H.
Tear Strength	300 pli	(Die C, ASTM D-624) 75 °F (24 °C) 50 % R.H.
Chemical Resistance	Resistant to deicing salts	

APPLICATION INFORMATION

Coverage	115 ft ² /gal at 14 wet mils (14 dry mils) 100 ft ² /gal at 16 wet mils (16 dry mils) 90 ft ² /gal at 18 wet mils (18 dry mils) 65 ft ² /gal at 25 wet mils (25 dry mils) Coverage rates provided are intended to achieve required wet film thickness under optimal conditions. Additional material may be required depending on substrate surface roughness and porosity, material and substrate temperatures, and other site-dependent factors. This will result in a lower coverage rate.
Pot Life	35–45 minutes

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surface must be clean and absolutely dry. No frost or some frost or ice residue allowed on the surface. The substrate temperature should be minimum 5°F above the dew point.

Sikalastic® 390 Waterproofing Base Coat, Sikalastic® 391 or Sikalastic® 395 Intermediate Wear Coat - Coating should be cured and tack free.

Existing Coatings - Should be cleaned and mechanically abraded to provide a contaminant free, open textured surface. Solvent wipe as allowed by state and local regulations. Use Sikalastic® Primer as recoat primer.

MIXING

Premix Part A and Part B components using a low speed (400–600 rpm) mechanical mixer and Jiffy Paddle at slow speed to obtain uniform color, making sure to scrape the

solids from the bottom and sides of the pail. Pour part B into Part A slowly and while mixing scrape the side of the container, Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

APPLICATION

Apply at the recommended coverage rate (see appropriate System Guide) using a 3/16" notched squeegee or trowel, and backroll using a phenolic resin core roller. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating and backroll if required (see appropriate System Guide). Allow coating to cure a minimum of 4 hours at 70 °F and 50 % R.H.; coating must be tack free before overcoating. Allow coating to cure for a minimum of 36 hours before opening to vehicular traffic.

Aggregate

Use clean, rounded or semi-angular oven dried quartz

sand with a size gradation of 16–30 mesh for vehicular traffic and 20–40 mesh for pedestrian traffic, and a minimum hardness of 6.5 per the Moh's scale. It should be supplied in pre-packaged bags and free of metallic or other impurities. Seeding of aggregate means an even, light broadcast short of refusal. A full broadcast of aggregate means a heavy application to refusal. Any loose aggregate must be removed prior to recoating. Backroll aggregate where indicated.

Removal

Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

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 applying and curing of material is 30 °F (-1°C); maximum is 95 °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 increase the viscosity, and high temperatures and high humidity will accelerate it.
- The substrate should be clean, free of dust, dirt, grease and absolutely no frost or residue of frost or ice allowed on the substrate prior to the application of Sikalastic 395. The surface should be totally dry.
- 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 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, or 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 technical evaluation to determine substrate moisture content and priming with a moisture-tolerant primer
- Do not subject to continuous immersion. Ponding water up to 72 hours is not considered as continuous immersion.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.
- Cracks or ruptures which develop in the structure after the waterproofing traffic system was installed will not be bridged by the waterproofing traffic system and need to be repaired according to the recommended standard crack treatment details per this PDS.

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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 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.

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Product Data Sheet

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