

PRODUCT DATA SHEET

Sikalastic®-745 Textured

TWO-COMPONENT, INTEGRALLY TEXTURED, ALIPHATIC, FAST-CURING, SOLVENT-FREE, TRAFFIC BEARING WEAR AND TOP COAT

PRODUCT DESCRIPTION

Sikalastic®-745 Textured is a two-component, aliphatic, chemically cured, elastomeric polyurethane coating intended for use as the traffic bearing wear and top coat over polyurethane waterproofing membrane for pedestrian and vehicular traffic bearing applications, and as a protective top coat over polyurethane waterproofing membrane under a separate wearing course such as concrete or asphalt pavement, and tile in a setting bed.

USES

Sikalastic®-745 Textured may only be used by experienced professionals.

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

CHARACTERISTICS / ADVANTAGES

- Low odor and fast turnaround
- Excellent crack-bridging properties and flexibility, even at low temperatures
- Resistant to water and de-icing salts
- Alkaline resistant
- Range of standard colors

PRODUCT INFORMATION

Packaging	17.6 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans (net 0.4 gal. each) Part B
Appearance / Color	Gray, Charcoal and Tan; custom colors available
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Condition material to 65–85 °F (18–30 °C) before using.
Solid content by volume	100 % (ASTM D-2697)

TECHNICAL INFORMATION

Shore A Hardness	85 +/- 5 (75 °F (24 °C) and 50 % R.H.)	(ASTM D-2240)
Tensile Strength	3200 +/- 300 psi (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Elongation at Break	450 +/- 45 % (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Tear Strength	300 +/- 30 pli (75 °F (24 °C) and 50 % R.H.)	(Die C, ASTM D-624)
Chemical Resistance	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives.	

APPLICATION INFORMATION

Coverage	80 sf/gal. at 14 wet mils (14 dry mils) 70 sf/gal. at 16 wet mils (16 dry mils) 62 sf/gal. at 18 wet mils (18 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, substrate and air temperatures, and other site-dependent factors. This will result in a lower coverage rate.	
Pot Life	20–30 minutes	

SURFACE PREPARATION

Surface must be clean, dry and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

Sikalastic® 720 Waterproofing Base 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 Recoat Primer.

MIXING

Thoroughly premix Part A using a mechanical mixer (Jiffy) at slow speed to obtain uniform color and mixture, making sure to scrape the solids and the aggregate from the bottom and sides of the pail. The aggregate should be evenly diffused in the resin. 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

Wear coat: Apply at the recommended coverage rate 16

mils wet (70 sf/gal) using a 1/8" or 3/16" notched squeegee or trowel, and backroll using nap roller 3/8" to uniformly backroll prior to applying topcoat. It should be backrolled two times, one perpendicular to the other.

Top coat: Apply at the recommended coverage rate 16 mils wet (70 sf/gal) using a "1/8" or 3/16" notched squeegee or trowel, and backroll using nap roller 3/8" to uniformly backroll. The Top coat should be backrolled two times, one perpendicular to the other. 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

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.
- Maximum moisture content of substrate: 4 % by weight with Sikalastic® Primer, Sikalastic® FTP primer and 6 % by weight with Sikalastic® FTP LoVOC Primer or Sikalastic® MT primer.
- Minimum ambient and substrate temperature during

application and curing of material is 40 °F (4 °C); maximum is 90 °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 high temperatures and high humidity will accelerate it.

- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Do not thin with solvents.
- Use properly graded, oven dried aggregates only.
- Minimum age of concrete must be 21–28 days, depending on curing and drying conditions.
- 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, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation and priming with a moisture-blocking primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Base coat must be kept clean and recoated within 24 hours for two-component base coat, and 72 hours for single component base coat. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.

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.

LOCAL 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

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