

# Sikalastic® 715 Top

Single component, elastomeric, traffic bearing wear and top coat

Construction

<b>Description</b>	Sikalastic® 715 is a single component, UV-resistant, aromatic, moisture 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. Optional Sikalastic® 700 ACL accelerator can be used to speed cure time (see separate Data Sheet).
<b>Where To Use</b>	<ul style="list-style-type: none"><li>■ Multi-story parking garages.</li><li>■ Parking decks and ramps.</li><li>■ Foot bridges and walkways.</li><li>■ Mechanical rooms.</li><li>■ Stadiums and arena.</li><li>■ Plaza and rooftop decks.</li><li>■ Balconies.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Excellent crack-bridging properties and flexibility, even at low temperatures.</li><li>■ Outstanding resistance to abrasion and wear.</li><li>■ Resistant to water and de-icing salts.</li><li>■ Alkaline resistant.</li><li>■ UV resistant.</li><li>■ Range of standard colors.</li></ul>
<b>Coverage</b>	145 ft <sup>2</sup> /gal. @ 11 wet mils (8 dry mils); 115 ft <sup>2</sup> /gal. @ 14 wet mils (10 dry mils); 100 ft <sup>2</sup> /gal. @16 wet mils (12 dry mils).
<b>Packaging</b>	5 gal. pails, 50 gal. (net) drums.
<b>Cure Mechanism</b>	Moisture cure.
<b>Chemical Resistance</b>	Resistant to de-icing salts, and alkaline concrete and cementitious mortars/tile adhesives cure.

### Typical Data (Material and curing conditions at 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	1 year in original, unopened containers.
<b>Storage Conditions</b>	Store dry at 40° - 95°F (4° - 35°C). Condition material to 65° - 85°F (18° - 30°C) before using.
<b>Colors</b>	Gray, Charcoal and Tan.
<b>Viscosity</b>	1500 +/- 500 cps
<b>Total Volume Solids (ASTM D-2697)</b>	72%
<b>VOCs (ASTM D-2369-81)</b>	243 g/l
<b>Tensile Strength (ASTM D-412)</b>	3200 +/- 300 psi
<b>Elongation at Break (ASTM D-412)</b>	500 +/- 50%
<b>Tear Resistance (Die C, ASTM D-624)</b>	350 +/- 50 pli
<b>Hardness (ASTM D-2240)</b>	85 +/- 5 Shore A



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## How to Use

<b>Surface Preparation</b>	<p>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.</p> <p><b>Sikalastic® 710 Waterproofing Base Coat</b> - Coating should be cured and tack free.</p> <p><b>Existing Coatings</b> - Should be cleaned and mechanically abraded to provide a contaminant free, open textured surface. Solvent wipe as allowed by state and local regulations.</p>
<b>Mixing</b>	<p>Thoroughly mix coating using a mechanical mixer (Jiffy) at slow speed until a homogenous mixture and uniform color is obtained (typically 1 minute). Use care not to allow the entrapment of air into the mixture.</p>
<b>Application</b>	<p>Apply at the recommended coverage rate (see appropriate System Guide) using a 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 16 hours at 70°F and 50% RH or until tack free between coats. Allow coating to cure for a minimum of 72 hours before opening to vehicular traffic or installing separate wear course.</p> <p><b>Aggregate:</b> Use clean, rounded or semi-angular oven dried quartz sand with a size gradation of 16-30 mesh or 12-20 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.</p> <p><b>Accelerator:</b> Sikalastic® 700 ACL may be added to Sikalastic® 715 in order to speed cure time particularly in cold weather conditions. Mix thoroughly prior to application. Add a maximum of 1 quart to 5 gallons (or 1:20 ratio) and only to material that will be applied within 2-3 hours.</p>
<b>Removal</b>	<p>Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.</p>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>■ 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.</li> <li>■ Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 90°F (32°C).</li> <li>■ Do not store materials outdoors exposed to sunlight for prolonged periods.</li> <li>■ Do not thin with solvents.</li> <li>■ Use properly graded, oven dried aggregates only.</li> <li>■ 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 though the cured system.</li> <li>■ Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.</li> <li>■ 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.</li> <li>■ When applying over existing coatings compatibility and adhesion testing is recommended.</li> <li>■ Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and for vapors into the building/structure during product application and cure.</li> <li>■ Opening to traffic or installation of separate wear course prior to final cure may result in loss of aggregate, or permanent staining and subsequent premature failure.</li> <li>■ 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.</li> <li>■ On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Sikalastic® traffic systems.</li> <li>■ 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.</li> <li>■ Waterproofing applications under overburden, including concrete pavement, asphalt pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.</li> <li>■ Do not subject to continuous immersion.</li> <li>■ Sikalastic® 715 will chalk, fade, or discolor over time when exposed to UV and under certain artificial lighting conditions. Aliphatic top coats with superior color and gloss retention are available.</li> <li>■ Base coat must be kept clean and recoated within 72 hours. If this window is exceeded, contact Sika for recommendations.</li> <li>■ Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.</li> </ul>



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