

PRODUCT DATA SHEET

Sikalastic®-715 Top Lo-VOC

SINGLE COMPONENT, ELASTOMERIC, LOW-VOC, WEAR AND TOP COAT

PRODUCT DESCRIPTION

Sikalastic®-715 Top Lo-VOC is a single component, UV-resistant, aromatic, moisture cured, low VOC elastomeric polyurethane coating intended for use as the 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, and tile in a setting bed. Optional Sikalastic® 715 Top Lo-VOC Booster can be used to speed cure time.

USES

Sikalastic®-715 Top Lo-VOC may only be used by experienced professionals.

- 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 VOC - California Compliant
- Fast turnaround with optional Booster
- Excellent crack-bridging properties and flexibility, even at low temperatures
- Outstanding resistance to abrasion and wear
- Resistant to water and deicing salts
- Alkaline resistant
- UV stable
- Range of standard colors

PRODUCT INFORMATION

Packaging	4.75 gal. in 5 gal. pails, 50 gal. (net) drums
Appearance / Color	Gray, Charcoal and Tan , custom color available (min.250 gal)
Shelf Life	1 year 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	89 % (ASTM D-2697)

Volatile organic compound (VOC) content 96 g/L

(ASTM D-2369-81)

Viscosity 4000 ± 2000 cps

TECHNICAL INFORMATION

Shore A Hardness 85 ± 5 (ASTM D-2240)
75 °F (24 °C)
50 % R.H.

Tensile Strength 3400 ± 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 350 ± 50 pli (Die C, ASTM D-624)
75 °F (24 °C)
50 % R.H.

Chemical Resistance Resistant to deicing salts, and alkaline concrete and cementitious mortars/tile adhesives

APPLICATION INFORMATION

Coverage

101 sf/gal. at 16 wet mils (14 dry mils)
89 sf/gal. at 18 wet mils (16 dry mils)
79 sf/gal. at 20 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 and substrate temperatures, and other site-dependent factors. This will result in a lower coverage rate.

APPLICATION INSTRUCTIONS

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® 710 Base Lo-VOC 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.

MIXING

Thoroughly mix Sikalastic®-715 Top Lo-VOC using a low speed (400–600 rpm) drill with mechanical mixer (Jiffy) at slow speed until a homogenous mixture and uniform color is obtained (typically 1 minute). Add Sikalastic® 715

Top Lo-VOC booster (if required) into premixed coating and continue mixing until homogenous mixture and 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 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.

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 re-coating. Backroll aggregate where indicated.

Booster - Sikalastic® 715 Top Lo-VOC Booster may be added to Sikalastic®-715 Top Lo-VOC in order to speed cure time. Mix thoroughly prior to application. Add a maximum of 1 quart to 4.75 gallons (or 1:19 ratio) and only to material that will be applied within 1 hour. Allow coating with booster to cure a minimum of 6 hours at 70 °F and 50 % RH or until tack free between coats. Allow coating to cure for a minimum of 36 hours before opening to vehicular traffic or installing separate wear course.

Removal

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

MAINTENANCE

Clean with non-sudsing detergent and water and inspect regularly for mechanical damage. Snow removal equipment must have shoes, rubber tips or small skis to prevent ruptures. The use of metal blades without protection is not recommended. Damaged areas should be repaired promptly. Remove delaminated coating back to well adhered material and reinstall patch according to procedures described above. Do not use asphalt or tar modified products. Consult a Sika representative for recommendations on top coat or wearing surface restoration.

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 temperature.
- Minimum ambient and substrate temperature during application and curing of material is 40 °F (4 °C); maximum is 95 °F (35 °C).
- Do not store materials outdoors directly exposed to sunlight and moisture. Cover and protect materials with breathable type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Observe temperature storage and conditioning requirements.
- 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 product solutions). Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where mois-

ture 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.
- 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.
- Opening to vehicles/pedestrians or installation of separate wear 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 should not be coated with Sikalastic® Traffic Systems.
- Unvented metal pan decks or decks containing a between-slab membrane require further technical evaluation and priming with a moisture-tolerant primer - contact Sika regarding recommendations.
- Waterproofing applications under overburden, including concrete pavement, and tile in a cementitious setting bed, require further technical evaluation - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Sikalastic®-715 Top Lo-VOC is UV resistant, but will chalk, fade or discolor over time when exposed to UV and under certain artificial lighting conditions. Sikalastic® 736 AL Lo-VOC aliphatic top coat provides superior color and gloss retention.
- Base and intermediate coats must be kept clean and re-coated within 48 hours, or 24 hours if Accelerator or Boosters are used.
- 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

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL NOTES

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