

PRODUCT DATA SHEET

Sikalastic®-726 Balcony One Shot

TWO COMPONENT, ALIPHATIC, CHEMICALLY-CURED, PRIMERLESS POLYURETHANE PEDESTRIAN WATERPROOFING & TRAFFIC COATING SYSTEM

PRODUCT DESCRIPTION

Sikalastic®-726 Balcony One Shot is a two-component, aliphatic, chemically cured, elastomeric polyurethane waterproofing coating system that has both superior flexibility and abrasion resistance. Easily applied in a single coat with or without primer and designed for pedestrian traffic specifically balcony waterproofing applications.

USES

Sikalastic®-726 Balcony One Shot may only be used by experienced professionals.

Sikalastic®-726 Balcony One Shot is designed for exclusive use on pedestrian traffic applications.

Including:

- Balconies
- Pedestrian Plaza & Rooftop Decks
- Foot bridges and walkways
- Mechanical rooms

PRODUCT INFORMATION

Packaging	Standard: 2.66 gal. kit; (2 x ABC) Tint Base: 7.98 gal kit; (6 x ABC) Part A: 1.2 gal. Part B: 0.13 gal. Part C: 2.19 lbs.
Color	Gray, Tan, & Tint Base option
Shelf Life	1 year 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.

CHARACTERISTICS / ADVANTAGES

- One Step System of 35 mils
- Integrally textured for slip resistance
- Low odor and fast turnarounds
- Outstanding resistance to abrasion and wear
- UV resistant
- Resistant to deicing salts
- Primerless on concrete- can be applied with primer

APPROVALS / STANDARDS

- ASTM C 957; '*Standard Specification for High-Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane With Integral Wearing Surface*'
- Conforms to ASTM E 108, Class A; *Spread of Flame over non-combustable decks*
- Miami Dade: NOA No.: 21-1001.04

Solid content by volume	92.17%	ASTM D-2697
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TECHNICAL INFORMATION

Testing	90+/-5	(ASTM D-2240) 75°F (24°C) 50% RH
Tensile Strength	2400 +/- 200 psi	(ASTM D-412) 75°F (24°C) 50% RH
Elongation at Break	500% +/-50%	(ASTM D-412) 75°F (24°C) 50% RH
Tear Strength	300 lbf/in. +/- 50 lbf/in.	(Die C, ASTM D-624) 75°F (24°C) 50% RH
Pot Life	15 min	at 75°F (24°C) 50% RH
Dry film thickness	35 mils (38 WFT) 50 sf/ 1.33 gal A+B+C mix	

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.

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.
- Maximum moisture content of concrete substrate by weight when measured with a Tramex CME is 4%.
- 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
- Do not batch down or combine multiple mixes, mix directly in original Sikalastic®-726 Balcony One Shot packaging.
- 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 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 6–12 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.
- On grade, lightweight concrete, asphalt pavement, or insulated split slab applications, must not be coated with Sikalastic®-726 Balcony One Shot without Sika technical review. Contact Sika Technical Services or Product Engineering.
- 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.
- Do not subject to continuous water immersion.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.
- Sikalastic®-726 Balcony One Shot requires proper water management including proper drainage on a waterproofing membrane and proper use of pitched or

- sloped substrate
- When using the Sikalastic®-726 Balcony One Shot Tint Base, a mock-up to confirm color selection is highly recommended before starting application.
- Sikalastic®-726 Balcony One Shot Tint Base must be used with a Sika® One Shot Color Pak.
- Use one(1) Sika® One Shot Color Pak with one(1) 1.33 gal mix of Sikalastic®-726 Balcony One Shot Tint Base.
- Do not use Sika Universal Color Paks with Sikalastic®-726 Balcony One Shot Tint Base.

ENVIRONMENTAL, HEALTH AND SAFETY

SUBSTRATE PREPARATION

Sikalastic®-726 Balcony One Shot is applied in a single step, because of this proper substrate preparation is essential to achieve the proper performance of Sikalastic®-726 Balcony One Shot.

Concrete -

Should be cleaned and prepared to achieve a laitance and contaminant-free, open textured surface by blast cleaning or equivalent mechanical means. The desired surface texture is CSP 3 per ICRI Guidelines. In addition, the substrate surface must be thoroughly cleaned by blowing/vacuuming to remove all particulates that may interfere with bonding. Can be applied with or without primer.

Plywood –

Should be clean and smooth, APA and exterior grade, not less than ½” thick, and spaced and supported according to APA guidelines. Joints should be sealed with Sikaflex® 2c or 1a and detailed and may need embedded fabric reinforcement. Primer is required for plywood.

DETAILING

For cracks less than 1/16” width: Apply a 23 mil detail coat of a Sikalastic® Base Coat, extending 2” on either side and centered over the crack.

For cracks 1/16” width or greater and less than 1” width: Must be routed to at least ¼” by ¼”, and sealed with an appropriate Sikaflex® sealant, installed per sealant Product Data Sheet, and coated with a 23 mil detail coat of a Sikalastic® Base Coat, extending 2” on either side and centered over the crack. Non-moving cracks can be filled with compatible rigid repair materials.

NOTE: Cracks may indicate a structural issue and should be addressed by a structural engineer or appropriate design professional.

For joints 1/16” or greater and up to 1” width: Joints should be sealed with the appropriate Sikaflex® sealant, installed per sealant Product Data Sheet, and coated with a 23 mil detail coat of a Sikalastic® Base Coat, extending 2” on either side and centered over the crack.

For joints greater than 1” width: Should be treated as expansion joints and brought up through the system and/or use Emseal Expansion Joint. For additional questions please contact Sika Technical Services.

Fabric Reinforcement: An optional 3” or 6” wide Sikalastic Flexitape Heavy fabric strip may be embedded within the base coat. Flexitape width shall be chosen such that a minimum of 1” tape is embedded on either side of the crack/joint. Apply additional coating as required to fully embed the Flexitape in the coating.

Panelized Joints: Panelized joints that are restrained across the joint and without differential movement may be sealed and the deck coating, including detail coat, applied over the joint.

NOTE: movement within panelized joints may cause deterioration of the aggregated wear coat, in which case the joints should be treated as expansion joints and brought up through the Sikalastic Traffic System and sealed with Sikaflex® sealant. For additional questions please contact Sika Technical Services

PRIMING

Sikalastic®-726 Balcony One Shot does not require primer on direct application to concrete with moisture content below 4%, other substrates may require primer.

Primer Selection - Determine maximum moisture content of concrete substrate by weight with a Tramex CME or CMExpert type concrete moisture meter. Primer is not required for concrete but if moisture content in concrete is greater than 4% then Sikalastic® MT Primer is required, see primer guide below.

Sikadur®-22 Lo-Mod FS- For concrete with a maximum moisture content of 4 % by weight and existing polyurethane coatings, apply a single coat application of Sikadur®-22 Lo-Mod FS with a flat squeegee or roller at approximately 160 sf/gal. Apply evenly without puddling. Allow primer to cure until tack-free, typically 2-4 hours(at 75°F (24°C) 50 % R. H). Sikadur®-22 Lo-Mod FS should be overcoated within 36 hours after tack-free. Refer to a separate product data sheet for additional information.

Sikalastic® Primer – For existing polyurethane coatings only, clean then solvent wipe existing coating, allow solvent to flash off, and then apply Sikalastic® Primer with a flat squeegee or phenolic resin core roller at approximately 250 - 300 sf/gal. and work well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Sikalastic® Primer is not suitable for metal substrates. Sikalastic® Primer adheres to sealants and existing coatings. Refer to separate primer data sheet for additional information.

Sikalastic® FTP LoVOC Primer - For plywood decks, for concrete with a maximum moisture content of 4 % by weight, and existing polyurethane coatings, apply Sikalastic® FTP LoVOC Primer with a flat squeegee or roller at approximately 175 sf/gal. Work primer well into the substrate to ensure adequate penetration and

sealing. Apply evenly without puddling. Refer to separate primer data sheet for additional information

Sikalastic® 100 VB - For concrete with a maximum moisture content of 5 % by weight, apply Sikalastic® 100 VB with a flat squeegee or roller at approximately 160 sf/gal to achieve 10 mils. For concrete decks with a maximum moisture content of 6% by weight or applications, apply two applications of Sikalastic® 100VB with a flat squeegee or phenolic resin roller at approximately 160 sf/gal to achieve 10 mils per application. Work primer well into the substrate to ensure adequate penetration and sealing and puddles are avoided. For applications as a moisture barrier and additional information refer to separate primer data sheet.

Sikadur®-22 Lo-Mod LT- For cold weather applications on concrete with a maximum moisture content of 4 % by weight and existing polyurethane coatings, apply a single coat application of Sikadur®-22 Lo-Mod LT with a flat squeegee or roller at approximately 160 sf/gal. Apply evenly without puddling. Allow primer to cure until tack-free, typically 2-4 hours (at 50°F (10°C) 50 % R. H). Sikadur®-22 Lo-Mod LT should be overcoated within 36 hours after tack-free. Refer to a separate product data sheet for additional information.

Sikalastic® EP Primer/Sealer- For Wood (timber, plywood) and Metal (aluminum, galvanized, cast iron, copper, lead, brass, stainless steel, steel, zinc). Apply by brush or phenolic resin core roller at the recommended rate, 100-250 sf/gal depending on the substrate. Correct amount of primer will saturate the substrate and leave a slight film on the substrate top surface. Apply evenly without puddling. Refer to separate primer data sheet for additional information.

MIXING

Premix the Part A component using a low speed (400–600 rpm) mechanical mixer and Jiffy Paddle (2-5 Gallon Model) to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour Part C slowly into Part A and ensure aggregate from Part C is fully mixed into Part A. Slowly pour Part B into Part A/C mix 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.

MIXING — TINT BASE

Do not batch down or combine multiple mixes, mix directly in original Sikalastic®-726 Balcony One Shot packaging. Premix the Part A component using a low speed (400–600 rpm) mechanical mixer and Jiffy Paddle (ES Model, 2-5 Gallon paddle) to obtain uniform color, the Tint Base will have a off-white color before adding colorant. Add one (1) Sika One Shot Color Pak into Part A and mix at slow speed until a homogenous mixture and uniform color is obtained with no streaks (~1 min). Use care not to allow the entrapment of air into the mixture. Pour Part C slowly into the pigmented Part A and ensure aggregate from Part C is fully mixed into Part A. Slowly pour Part B into Part A/C mix 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 to yield 38 WFT using a notched squeegee or trowel (Recommend: 1/4" V-notched squeegee or trowel) , and backroll using a phenolic resin core roller (3/8") the area should be backrolled two times, one perpendicular to the other. Ensure roller is saturated with excess material before starting backroll. Extend coating over entire area including previously detailed cracks and joints. Coating should be tack free after about 6 hours at 70 °F and 50 % RH. Allow coating to cure for a minimum of 8 hours before opening to pedestrian traffic.

REMOVAL

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

OTHER RESTRICTIONS

See Legal Disclaimer.

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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