

TECHNICAL MEMO

TARGET MARKET ROOFING & WATERPROOFING

BUILDING TRUST



Subject: Sikalastic Rapid 723 (PMMA) Deck Membrane Install Guide

1. Product Name

Sikalastic® Rapid 723

2. Product Description

Sikalastic® Rapid 723 resin is combined with Sikalastic® Rapid Catalyst and Sikalastic® Rapid Fleece reinforcement to form a monolithic reinforced membrane for balconies, terraces, either exposed or concealed with hard set tiles or pavers. Additionally, Sikalastic® Rapid 723 can be used in PMR assemblies or exposed roof applications. Sikalastic® Rapid 723 resin is supplied in a 20kg (15.9 L) resealable pail. Sikalastic® Rapid 723 resin is available in both Summer grade (standard) and winter grade (Sikalastic® Rapid 723 WG).

3. Accessories

- a. **Sikalastic® Rapid 724 (Winter Grade –“WG” available):** used to form a monolithic, self-flashing and self-adhering reinforced flashing membrane, combined with Sikalastic® Rapid Catalyst and Sikalastic® Rapid Fleece reinforcement. Size: 12kg (9.7L).
- b. **Sikalastic® Rapid Catalyst PMMA:** used as a reactive agent to initiate curing of Sikalastic® liquid resins and primers. Size: 0.1kg (3.5oz/100g), 25kg (55lbs) includes tablespoon measuring scoop. (1kg = 1000g)
- c. **Sikalastic® Rapid Primer:** used as a primer for Sikalastic® Rapid resins applied over concrete and masonry. Sikalastic® Rapid Primer is combined with Sikalastic® Rapid Catalyst. Size: 10kg (9.6L) pail
- d. **Sikalastic® Rapid Primer ASP:** used as a primer for Sikalastic® Rapid resins and/or Sikalastic® Rapid 724 Detailer applied over concrete, masonry, wood, asphalt, and other substrates as recommended. Sikalastic® Rapid Primer ASP is combined with Sikalastic® Rapid Catalyst. Size: 10kg (9.6L) pail
- e. **Sikalastic® Rapid Metal Primer:** an acrylic one component primer used to promote adhesion of Sikalastic® Rapid resins to properly prepared metal substrates. Size: 1-gal (3.7L)
- f. **Sikalastic® Rapid Fleece PMMA:** used to reinforce Sikalastic® Rapid 723 or 724 resin cold, fluid-applied, flashing membrane to improve tear strength, puncture resistance, and crack bridging capabilities while maintaining membrane uniformity. Size: available widths- 10”, 13.8”, 20.7” and 41.3” Length 164’
- g. **Sikalastic® Rapid 724 Detailer:** a pre-reinforced resin that may be used when installing the Sikalastic® Rapid 724 flashing resin and fleece would be difficult (i.e., over bolt heads, back-to-back angles, etc.). Sikalastic® Rapid 724 Detailer is combined with

Sikalastic® Rapid Catalyst PMMA but is **not used** with Sikalastic® Rapid Fleece PMMA.
Size: 2kg (1.5L)

- h. **Sikalastic® Rapid Paste:** is rapid setting paste used for horizontal and vertical leveling, patching, and repairs to substrates in non-traffic bearing applications, requires Sikalastic® Rapid Catalyst PMMA. Size: 15kg (10.6L)
- i. **Sikalastic® Rapid Mortar (Winter Grade –“WG” available):** self-leveling mortar used to provide a wearing surface and base over completed Sikalastic® Rapid 723 in preparation to receive a variety of surfacing that will remain exposed, requires Sikalastic® Rapid Catalyst PMMA. Size: 10kg (9.4L) with 22KG bag packaged in a 7 gal pail for mixing.
- j. **Sikalastic® Rapid Finish:** is an unpigmented, clear resin that **must** be mixed with a pre-measured and packaged Sikalastic Rapid Color, requires Sikalastic® Rapid Catalyst PMMA. Size: 8.5kg (8.1L)
- k. **Sikalastic® Rapid Finish Textured:** is an unpigmented, clear resin and premixed aggregate that must be mixed with a pre-measured and packaged Sikalastic Rapid Color, requires Sikalastic® Rapid Catalyst PMMA. Size: 13.5kg (9L)
- l. **Sikalastic® Rapid Color:** is mixed with Sikalastic® Rapid Finish unpigmented resins. Size: 1.5kg. One 1.5kg is required per 8.5kg of Sikalastic® Rapid Finish
- m. **Sikalastic® Rapid Thixo:** a thixotropic agent that is added to the Sikalastic® Rapid 723 resin to increase resin viscosity. For use on steep slopes. Size: 1.18kg (1.0L)
- n. **Sikalastic Rapid Cleaner:** used to clean surface of Sikalastic Rapid resins where tie-in or repairs may be required. Can be used to clean/remove residue of Sikalastic® Rapid PMMA resins from tools. It is also used to clean metal and non-absorbent substrates before Sikalastic® Rapid PMMA resins and primers are applied. Size: 1 or 5 gal.

4. Tools:

Since Sikalastic® resins & Sikalastic® primers are generally prepared in small batches on site, it is important to have the following tools on hand.

- 1-gallon to 5-gallon graduated plastic mixing containers
- disposable paint brushes and/or small foam paint rollers
- mixing sticks
- nitrile rubber gloves
- eye protection
- scissors
- permanent markers (i.e., Sharpies)
- tape measure
- masking tape or painters' tape
- variable speed drill with mixing paddles

5. Limitations:

- a. Always store the product indoors on pallets in a well-ventilated environment, at temperatures ranging from 55 °F to 80 °F (13 °C to 27 °C), away from heat, open flames, ignition sources, direct sunlight, and oxidizing agents. If storing the product temporarily outside for a short period of time, cover it with a reflective tarp that allows for air circulation. The shelf life is approximately 12 months from the date of shipment when safely stored in its original container.
- b. Sikalastic® Rapid applied resins are to be installed when ambient and substrate temperatures are between 37° F and 95° F (3° C - 35° C).
- c. The temperature of the substrate must be at least 5 degrees higher than the dew point temperature at the time of application.

- d. In service, Sikalastic® Rapid resins are not to be subjected to temperatures greater than 150° F (65.5° C).

6. Coverages (Coverage rates stated herein are approximate only):

- a. Sikalastic® Rapid 723 & 723 WG (coverage rates are for two coats – mil thickness approximately 100):
- i. Smooth – 0.28 kg/ft² - Total per 20kg - 70ft²
 - ii. Typical – 0.30 kg/ft² - Total per 20kg - 66ft²
 - iii. SBS/APP Granulated Cap Sheet – 0.35 kg/ft² - Total per 20kg - 57ft²
- b. Sikalastic® Rapid 724 & 724 WG (coverage rates are for two coats – mil thickness approximately 100):
- i. Smooth – 0.28 kg/ft² - Total per 12kg - 42ft²
 - ii. Typical – 0.30 kg/ft² - Total per 12kg - 40ft²
 - iii. Rough (Granulated Cap Sheet) – 0.40 kg/ft² - Total per 12kg - 34ft²
- c. Sikalastic® Rapid Primer:
- i. Smooth – 0.037 kg/ft² - Total per 10kg - 269ft²
 - ii. Typical – 0.046 kg/ft² - Total per 10kg - 215ft²
 - iii. Rough (Granulated Cap Sheet) – 0.075 kg/ft² - Total per 10kg - 134ft²
- d. Sikalastic® Rapid Primer ASP:
- i. Smooth – 0.037 kg/ft² - Total per 10kg - 269ft²
 - ii. Typical – 0.050 kg/ft² - Total per 10kg - 215ft²
 - iii. Rough (Granulated Cap Sheet) – 0.055 kg/ft² - Total per 10kg - 179ft²
- e. Sikalastic® Rapid Metal Primer:
- i. SSPC-SP3 – 0.25 gal per 100/ft² - Total per 1gal - 400ft²
- f. Sikalastic® Rapid 724 Detailer:
- i. 80mils – 0.28 kg/ft² - Total per 2kg - 7ft²
 - ii. 120mils – 0.40 kg/ft² - Total per 2kg – 3.5ft²
- g. Sikalastic® Rapid Paste:
- i. 0.13 kg/ft² - Total per 15kg - 7ft²
- h. Sikalastic® Rapid Mortar (*33KG Work Pack – Part A & Part B 1-2.3 mix):
- i. Smooth - CSP#3 - 0.42 kg/ft² - Total per *33kg - 80ft²
 - ii. Typical – CSP#4 - 0.43 kg/ft² - Total per *33kg - 77ft²
 - iii. Rough – CSP#5 - 0.44 kg/ft² - Total per *33kg - 74ft²
- i. Sikalastic® Rapid Finish:
- i. Aggregate #1 - 0.07 kg/ft² - Total per 10kg - 134ft²
 - ii. Aggregate #2 - 0.06 kg/ft² - Total per 10kg - 154ft²
 - iii. Smooth - 0.05 kg/ft² - Total per 10kg - 179ft²
- j. Sikalastic® Rapid Finish Textured:
- i. Light Duty (26mils) - 0.07 kg/ft² - Total per 13.5kg - 210ft²
- k. Sikalastic® Rapid Color:
- i. 1 pouch per pail of resin – add to desired color shade
- l. Sikalastic® Rapid Thixo:
- i. Add as needed – 1 tbsp = 20kg – 0.02% (2% maximum)

7. Catalyst Consumption: (0.01 kg of Sikalastic® Rapid Catalyst PMMA equals approximately a level 1-tablespoon size scoop) (all mixing ratios are per liter)

- a. Sikalastic® Rapid 723 (15.9L):
- i. Temperature range - 50 °F to 68 °F – 4% - 0.05 kg (5 tbsp/50 g)
 - ii. Temperature range - 68 °F to 95 °F – 2% - 0.025 kg (2.5 tbsp/25 g)
- b. Sikalastic® Rapid 723 WG (15.9L):

- i. Temperature range - 23 °F to 37 °F – 6% - 0.07 kg (7 tbsp/70 g)
 - ii. Temperature range - 37 °F to 50 °F – 4% - 0.05 kg (5 tbsp/50 g)
 - iii. Temperature range - 50 °F to 68 °F – 2% - 0.025 kg (2.5 tbsp/25 g)
- c. Sikalastic® Rapid 724(9.7L):
 - i. Temperature range - 50 °F to 68 °F – 4% - 0.05 kg (5 tbsp/50 g)
 - ii. Temperature range - 68 °F to 95 °F – 2% - 0.025 kg (2.5 tbsp/25 g)
- d. Sikalastic® Rapid 724 WG (9.7L):
 - i. Temperature range - 23 °F to 37 °F – 6% - 0.07 kg (7 tbsp/70 g)
 - ii. Temperature range - 37 °F to 50 °F – 4% - 0.05 kg (5 tbsp/50 g)
 - iii. Temperature range - 50 °F to 68 °F – 2% - 0.025 kg (2.5 tbsp/25 g)
- e. Sikalastic® Rapid Primer (9.6L):
 - i. Temperature range - 32 °F to 50 °F – 6% - 0.06 kg (6 tbsp/60 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.04 kg (4 tbsp/40 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.02 kg (2 tbsp/20 g)
- f. Sikalastic® Rapid Primer ASP (9.6L):
 - i. Temperature range - 32 °F to 50 °F – 6% - 0.06 kg (6 tbsp/60 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.04 kg (4 tbsp/40 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.02 kg (2 tbsp/20 g)
- g. Sikalastic® Rapid 724 Detailer (1.5L):
 - i. Temperature range - 32 °F to 50 °F – 6% - 0.09 kg (9 tbsp/90 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.06 kg (6 tbsp/60 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.03 kg (3 tbsp/30 g)
- h. Sikalastic® Rapid Paste (10.6L):
 - i. Temperature range - 32 °F to 50 °F – 6% - 0.08 kg (8 tbsp/80 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.06 kg (6 tbsp/60 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.03 kg (3 tbsp/30 g)
- i. Sikalastic® Rapid Mortar: (9.4L):
 - i. Temperature range - 23 °F to 37 °F – 6% - 0.05 kg (5 tbsp/60 g)
 - ii. Temperature range - 37 °F to 50 °F – 4% - 0.03 kg (3 tbsp/30 g)
 - iii. Temperature range - 50 °F to 68 °F – 2% - 0.015 kg (1.5 tbsp/15g)
 - iv. Temperature range - 68 °F to 95 °F – 2% - 0.015 kg (1.5 tbsp/15g)
- j. Sikalastic® Rapid Finish (8.1L):
 - i. Temperature range - 32 °F to 50 °F – 6% - 0.06 kg (6 tbsp/60 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.04 kg (4 tbsp/40 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.02 kg (2 tbsp/20 g)
- k. Sikalastic® Rapid Finish Textured (9L):
 - i. Temperature range - 37 °F to 50 °F – 6% - 0.09 kg (9 tbsp/90 g)
 - ii. Temperature range - 50 °F to 68 °F – 4% - 0.06 kg (6 tbsp/60 g)
 - iii. Temperature range - 68 °F to 95 °F – 2% - 0.03 kg (3 tbsp/30 g)

8. Substrates: All substrates must be free from gross irregularities, loose, unsound, or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer and/or resin to the substrate with a maximum moisture content of six (6) percent or 75% relative humidity. Substrates other than previously applied membrane and flashings materials, shall be abrasively cleaned or ground as required to provide a sound open abraded surface to provide adhesion of the membrane to substrate with a minimum bond strength of 116 psi (0.8 N/mm²). Determinations of bond strength and moisture content shall be performed periodically by the Contractor throughout the course of work. Perform adhesion test per ASTM D4541 (mechanical test) or ASTM C794 (peel test)

- a. **Concrete:** All concrete substrates and concrete repair materials **must be finished** to a CSP#3-#5 (shot blasting or scarifying may be require), must be cured a minimum of 28 days in accordance with ACI-308, or as recommended by the concrete/mortar manufacturer, in order to achieve a minimum hardness of 3,500 psi (25 N/mm²) with a maximum moisture content of six (6) percent or 75% relative humidity. Concrete substrates shall be abrasively cleaned in accordance with ASTM D4259 to provide a sound substrate free from laitance with an open concrete surface. Areas of minor surface deterioration of 0.50 inch (13 mm) or greater in depth, and/or spalls, voids, bug holes and other deterioration on vertical surfaces or horizontal surfaces shall be repaired.
- b. **Masonry:** Walls shall be built with hard kiln dried brick, reinforced concrete block, or waterproof concrete block construction. Flashings must not be applied over soft or scaling brick or concrete, faulty mortar joints, or walls with broken, damaged, or leaking coping. Walls of ordinary hollow tile, or other materials which in themselves are not waterproofed, should not be accepted as a suitable substrate.
- c. **Steel/Metal:** Clean and prepare metal surfaces to near white metal in accordance with SSPC - SP3 (power tool clean). Extend preparation a maximum of 1/8 inch (3 mm) beyond the termination of the membrane flashing materials. Galvanized and/or zinc rich metals are coated with either a layer of oil to prevent white rust or is passivated which must be completely removed prior to applying primer or liquid applied waterproofing (contact – Sika-Hydrotech for additional information)
- d. **Ridged Plastics (PVC/ABS):** Ridged plastics should be lightly abraded and wiped with mineral spirits or similar products and allowed to flash off. Ridged piping, such as “smurf” tubing, Hilti block-outs, and similar type products, are not acceptable.
- e. **Plywood:** Shall be 1/2" minimum, CDX exterior grade board identified with American Plywood Association (APA) grade trademarks and shall meet the requirements of product standard PS1. Plywood panels should be installed with no gaps at panel joints. Tongue and groove plywood should be used whenever possible. After coating the exposed top face of the plywood with Sikalastic® Rapid Primer ASP, fill all voids, board joints, knot holes, cracks, and fastener points with a Sikaflex 11fc or Sikalastic® Rapid Paste and strip joints with 2-inch (5cm) wide bond breaker tape followed by 6-inch (15cm) minimum wide strips of Sikalastic® Rapid Fleece PMMA and Sikalastic® Rapid 724 membrane centered over joint. **OSB not acceptable.**
- f. **Wall/Roof Boards:** Boards shall be a minimum 1/2" and solidly secured to substrate/framing. Gypsum, fiberglass, and paper-faced based boards **are not** acceptable. Wall/Roof boards must be a cement type board and classified for use in roofing/waterproofing applications. (*consult Sika-Hydrotech technical*). After coating the exposed top face of the acceptable roof boards with Sikalastic® Rapid Primer ASP, fill all voids, board joints, knot holes, cracks, and fastener points with a Sikaflex 11fc or Sikalastic® Rapid Paste and strip joints with 2-inch (5cm) wide bond breaker tape followed by 6-inch (15cm) minimum wide strips of Sikalastic® Rapid Fleece PMMA and Sikalastic® Rapid 724 membrane centered over joint. Boards cannot be used in buried applications.
- g. **Modified Bitumen:**

- i. APP Smooth Modified: Sikalastic Rapid products cannot be installed over smooth APP modified. APP Smooth must have an appropriate roof board or base sheet overly. Option: Broadcast to refusal #1 (0.7-1.2mm) quartz into heated APP modified sheets.
- ii. SBS or APP Granulated Modified: Remove all loose granules, dust, dirt, and debris from the surface of the membrane as required. In recovery applications, all blisters, ridges, or deficiencies must be cut and patched with Sikalastic Rapid Mortar or same existing membrane
- iii. All flashings must be cut down to allow for new termination to substrate.

11. Application:

a. Primer: (Sikalastic Rapid Primer and Primer ASP)

- i. Thoroughly mix the entire container of Sikalastic® Rapid Primer ASP resin for 2 minutes before each use, before adding catalyst, and prior to pouring off primer resin into a second container (i.e., plastic paint bucket/pail) for batch mixing.
- ii. Catalyze only the amount of material that can be used within 10-15 minutes.
- iii. Add pre-measured catalyst to the primer resin component (see #7)), stir for 2 minutes using a slow-speed mechanical agitator (200-400 rpms) or stirring stick. The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions. Pot life approximately 20 minutes.
- iv. After mixing, apply the catalyzed primer resin to the clean and prepared substrate at the required consumption (see #6) using appropriate 3/8 " nap rollers or brushes. The resin should be spread evenly onto the surface.
- v. The clean and fully cured primer can be coated with resin after a minimum of approximately 30-45 minutes (dry to the touch) up to a maximum of 6 months.

b. Sikalastic® Rapid Metal Primer

- i. Clean and prepare metal to near-white metal in accordance with The Society for Protective Coatings formerly the Steel Structures Painting Council (SSPC) standard SP3 Power Tool Cleaning to a point maximum 1/8 in (3 mm) beyond the termination of Sikalastic® Rapid components and wipe with xylene or similar product to remove oils, debris, or contaminants.
- ii. Thoroughly mix primer resin approximately 2-3 minutes using a mixing stick or slow-speed(200 to 400 rpm) mechanical mixer with spiral.
- iii. Apply evenly to metal surface (see #6), care should be taken as not to spread too thin or allow puddling.
- iv. Sikalastic® Rapid Metal Primer should be covered once cured, maximum exposure time – 24hrs
- v. See attached tech memo dated - July 7, 2025, for alternative methods as needed.

c. Patching/Leveling/Repair - Sikalastic® Rapid Paste

- i. Non-moving cracks (1/32" or less), clean out crack and fill with Sikalastic Rapid Paste or Sikalastic Rapid Mortar
- ii. Moving cracks (1/8" or less), clean out crack and fill with Sikalastic Rapid Paste or Sikalastic Rapid Mortar. Then apply debonding tape and followed by strip of Sikalastic Rapid Fleece (2" minimum coverage beyond bond breaker tape, minimum 6" strip).
- iii. Moving cracks (greater than 1/8"), clean out crack, fill with appropriate size backer rod, and fill with Sikalastic Rapid Paste or Sikalastic Rapid Mortar.
- iv. Moving cracks/joints greater than 3" will require to be treated as expansion joints (review standard expansion joint details).

- iv. Prepare Sikalastic Paste or Mortar by thoroughly mixing pail adding filler or catalyst. Add pre-measured catalyst to the primer resin component (see #7)), stir for 2 minutes using a slow-speed mechanical agitator (200-400 rpms) or stirring stick. The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions. Pot life approximately 20 minutes.
- v. After mixing, apply the catalyzed paste or mortar to clean, prepared, and primed substrate. Paste and mortar should be installed in lifts of no more than 1/8"-3/8". For additional lifts, broadcast kiln-dried quartz sand into wet product. Paste or mortar must be cured between lifts.

d. Flashing - Sikalastic® Rapid 724

- i. Thoroughly mix the entire container of Sikalastic Rapid 724 for 2 minutes before each use, before adding catalyst, and prior to pouring off primer resin into a second container (i.e., plastic paint bucket/pail) for batch mixing.
- ii. Catalyze only the amount of material that can be used within 15-20 minutes.
- iii. Add pre-measured catalyst to the primer resin component (see #7)), stir for 2-minutes using a slow-speed mechanical agitator or stirring stick. The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions. Pot life approximately 20-30 minutes.
- iv. After mixing, apply the catalyzed resin basecoat (approximately 60 mils) to primed or cleaned substrate at the required consumption (see #6) using appropriate 3/8 " nap rollers or brushes.
- v. Roll Sikalastic Rapid Fleece PMMA reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to lightly work the resin into the fleece, saturating from the bottom up. **Note the fleece should be fully saturated, with no white spots showing. White spots are indications of unsaturated fleece or lack of adhesion**
- vi. Apply the catalyzed resin topcoat (approximately 30 mils) over fully saturated fleece at the required consumption (see #6) using appropriate 3/8 " nap rollers or brushes.
- vii. Sikalastic® Rapid 724 will cure to rainproof in 30-60 minutes with a fully cured in 3-6 hours

e. Field - Sikalastic® Rapid 723

- i. Thoroughly mix the entire container of Sikalastic Rapid 723 for 2 minutes before each use, before adding catalyst, and prior to pouring off primer resin into a second container (i.e., plastic paint bucket/pail) for batch mixing.
- ii. Catalyze only the amount of material that can be used within 15-20 minutes.
- iii. Add pre-measured catalyst to the primer resin component (see #7), stir for 2-minutes using a slow-speed mechanical agitator or stirring stick. The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions. Pot life approximately 20-30 minutes.
- iv. After mixing, apply the catalyzed resin basecoat (approximately 60 mils) to primed or cleaned substrate at the required consumption (see #6) using appropriate 3/8 " nap rollers or notched squeegee.
- v. Set and roll (2" side laps and 4" end laps) Sikalastic Rapid Fleece PMMA reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to lightly work the resin into the fleece, **fleece should be fully saturated, with no white spots showing. White spots are indications of unsaturated fleece or lack of adhesion**

- vi. Apply the catalyzed resin topcoat (approximately 30 mils) over fully saturated fleece at the required consumption (see #6) using appropriate 3/8 " nap rollers or notched squeegees.
 - vii. Sikalastic Rapid 723 will cure to rainproof in 30-60 minutes with a fully cured in 3-6 hours.
- f. Finish- Color Coat (can be added as a top-coat to any finished surfacing)**
- i. Thoroughly mix the entire container of Sikalastic Rapid Finish with Sikalastic Rapid Color pack for 2-5 minutes until uniform and streak free color is achieved.
 - ii. Add pre-measured catalyst resin component (see #7), stir for 2-minutes using a slow-speed mechanical agitator. The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions. Pot life approximately 20-30 minutes. **Catalyze only the amount of material that can be used within 15-20 minutes.**
 - iii. After mixing, apply the catalyzed resin (approximately 25-30 mils) to cleaned substrate at the required consumption (see #6) using appropriate 3/8 " nap rollers or notched squeegee.
 - vi. Sikalastic Rapid Finish will cure to rainproof in 30-45 minutes with a fully cured in 3-6 hours.

12. Pedestrian Surfacing:

- a. Wearing Surface - Sikalastic® Rapid Mortar**
- i. Thoroughly mix the entire container of Sikalastic Rapid Mortar (Part A & B) for 2 minutes before each use, complete mixing of Sikalastic Rapid Mortar per written instructions
 - ii. After mixing, apply Using a flat or V-notch trowel, apply an even layer of resin-mortar at minimum recommended consumption. Work wet resin with a pin rake or spiked roller, removing trapped air, and smoothing the resin-mortar layer.
 - iii. After resin-mortar has cured, inspect surface and repair imperfections. Apply additional resin-mortar to cover voids or low spots and/or lightly grind sharps, protrusions, and high-spots to develop a smooth finished surface.
 - vi. Prior to applying surface layer or finish layer, remove excess residual dust, debris, or contaminants from wearing layer surface by broom, vacuum, or oil-free blower.
- b. Surface Layer - Sikalastic® Rapid Finish (5-yr. wear performance)**
- i. Thoroughly mix the entire container of Sikalastic Rapid Finish for 2 minutes before each use, complete mixing per written instructions and add Sikalastic Rapid Color packs as desired.
 - ii. After mixing, apply Using a notch trowel, apply an even layer of resin at minimum recommended consumption. Use an appropriate roller to remove excess resin or puddling.
 - iii. Broadcast #0 (0.4 - 0.8mm) kiln-dried quartz aggregate into the wet resin to excess for full coverage at an approximate consumption of 100 lb/100 ft² (5.0 kg/m²).
 - vi. Prior to applying finish coat, within remove excess aggregate from surface by broom, vacuum, or oil-free blower.
 - vii. Apply an even seal coat of Sikalastic Rapid Finish using a notch trowel, apply an even layer of resin at minimum recommended consumption. Use an appropriate roller to remove excess resin or puddling. Seal coat should be applied within 24hrs of the aggregate application, aggregate must be clean and dry.
- NOTES:** Additional requirements may be necessary depending on the surface performance warranty.

- 5-yr. Alternate: Topcoat with Sikalastic Rapid Finish Textured over wearing surface
- 10-yr Alternate: Over wearing coat, add a second layer of Sikalastic Rapid Mortar with broadcast #1 (0.7 - 1.2mm) kiln-dried quartz aggregate into the wet resin-mortar to excess for full coverage at an approximate consumption of 140 lb/100 ft² (7.0 kg/m²). Then topcoat of Sikalastic Rapid Finish.

13. Overburden Surfacing:

a. Bonding Surface (Areas to receive topping slab, asphalt paving, or mortar setting bed) - Sikalastic® Rapid 723

- Thoroughly mix entire container of Sikalastic Rapid 723 for 2 minutes before each use.
- After mixing, apply using a lambswool roller, apply an even layer of Sikalastic Rapid 723 the minimum consumption of 30 lb/100 ft² (1.5 kg/m²).
- Broadcast to excess with #1 (0.7 - 1.2mm) kiln-dried quartz aggregate into the wet resin to excess for full coverage
- Prior to placement of overburden, remove excess residual dust, debris, or contaminants from wearing layer surface by broom, vacuum, or oil-free blower.

b. Overburden Options

- For concrete overburden, when placing reinforcing steel over waterproofing membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Take special care when using wire mesh, especially if the mesh is curled.

14. General:

a. Tie-Ins:

If work is stopped for more than 24 hours, or membrane becomes dirty/contaminated use Sikalastic Rapid Cleaner or appropriate product (contact Sika-Hydrotech Technical Dept.) to clean and prepare Sikalastic Rapid applied primers, resins, mortar, flashing and/or field membrane transition areas. Cleaner should be allowed to completely “flash off” a minimum of 20 minutes.

b. Cleaning:

Tools, metal surfaces, and equipment can be cleaned with Sikalastic Rapid Cleaner

c. Disposal

Catalyzed Sikalastic Rapid liquids and cured resins may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state, and federal regulations.

d. Protection

Protect finished application from all other contractors and activities during and after completion. Sikalastic Rapid resins are rainproof after 30 minutes and fully cured 2-3hrs.

e. Repairs:

Check the area to determine the extent of damage. In areas where the membrane has de-bonded, cut and remove the loose membrane back to a securely bonded point on the substrate. Where the substrate is exposed remove any loose material, grind off any damaged or un-adhered primer, and prepare the substrate

for re-priming with an appropriate Sikalastic Rapid primer where required, older membrane or contaminated membrane will require cleaning with Sikalastic Rapid Cleaner. Repair “patch” must extend a minimum 4” beyond damaged area.

12. Adhesion Testing:

- a. Apply 30-mils of Sikalastic Rapid resin to properly prepared substrate and embed a 1”x6” strip of Sikalastic Rapid Fleece into the resin while still wet.
 - i. Allow a 2” tail of the Sikalastic Rapid Fleece to hang free, i.e., do not embed the full length of the 6” strip
 - ii. Avoid embedding the Sikalastic Rapid Fleece completely through the resin; fleece should not come in contact with the substrate
- b. Apply another 30-mils of Sikalastic Rapid resin membrane onto the Sikalastic Rapid Fleece until it is completely saturated
 - i. Do not apply resin onto the 2” tail at the end of the 6” strip
- c. Allow the membrane to fully cure
 - i. Minimum 24 hours but dependent on weather, temperature, and ambient conditions
- d. After fully cured, carefully cut through the cured membrane along both edges of the 1” wide strip of Sikalastic Rapid Fleece
- e. Clamp the 2” fabric tail between 2 pieces of 1” long termination bar using locking pliers
- f. Attach a “fish” scale to locking pliers and gently pull the fabric tail at a 90° angle to the substrate
- g. Note the reading on the “fish” scale while pulling the fabric
- h. Average peel strength should be a minimum of 5 lb.