

Sikalastic® 22 Lo-Mod Hybrid Traffic System

Waterproofing traffic system with Sikalastic base coat and Sikadur® 22 Lo-Mod for added abrasion resistance

Description	Sikalastic 22 Lo-Mod Traffic System consists of an elastomeric, crack-bridging Sikalastic polyurethane base coat and Sikadur 22 Lo-Mod low-modulus epoxy top coat. It is designed for heavy vehicular or pedestrian traffic conditions requiring maximum abrasion resistance, such as parking garage ramps, entrance and exit areas, and loading docks. System components are: Sikafloor FTP primer (separate data sheet available) Sikalastic MT primer (separate data sheet available) Option 1: Sikalastic 710 Base one-component aromatic polyurethane base coat Option 2: Sikalastic 710 Lo-VOC one-component aromatic polyurethane base coat Option 3: Sikalastic 720 Base two-component, high solids, fast curing polyurethane base coat Option 4: Sikalastic 390 two-component, high solids, polyurethane base coat Sikadur 22 Lo-Mod or Sikadur 22 Lo-Mod Fast Set, low-modulus medium viscosity epoxy resin binder Optional top coats: Sikalastic 735 AL, 736 AL Lo-Voc, 745 AL, or Sikalastic 391 and 395. See separate Sikadur 22 Lo-Mod, Sikalastic 710, 710 Lo-VOC 720, 735 AL, 736 AL Lo-VOC, 745 AL, and Sikalastic 391 and 395 Product Data Sheets for additional product information.
Where to Use	Sikalastic 22 Lo-Mod Traffic System is designed for use on concrete or cementitious surfaces exposed to vehicular or pedestrian traffic. <ul style="list-style-type: none"> Multi-story parking garages Parking decks and ramps Foot bridges and walkways Mechanical rooms Stadiums and arenas Loading docks Balconies Surfaces around turns or corners subjected to more severe traffic conditions..
Advantages	<ul style="list-style-type: none"> Excellent crack-bridging properties of base coat, even at low temperatures Maximum resistance to abrasion and wear Impervious to water and deicing salts
Packaging	Sikalastic 710 Base: 5 gal. pails, 50 gal. (net) drums Sikalastic 710 Lo-VOC Base: 4.75 gal. pails, 50 gal (net) drums Sikalastic 720 Base: 20 gal. kit - four 5 gal. pails (net 4 gal. each) Part A and four 1 gal. cans Part B Sikalastic 390: 5 gal. kit - 3.33 gal. Part A, 1.67 gal. Part B Sikadur 22 Lo-Mod: 4 gal. unit - 2 gal. can Part A and 2 gal can Part B
Colors	Sikalastic 710, 710 Lo-VOC, and 720 Base: Gray Sikalastic 390 Base: Brown Sikadur 22 Lo-Mod: Clear to light amber

Typical Data (Material and curing conditions @ 75°F (24°C) and 50% RH)

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

Storage Conditions Store dry at 40-95°F (4-35°C). Condition material to 65-85°F (18-30°C) before using

	Sikalastic 710 Base	Sikalastic 710 Lo- VOC Base	Sikalastic 720 Base	Sikalastic 390 Base	Sikalastic 22 LM
Shelf Life (in original unopened containers)	1 year	1 year	1 year	1 year	2 year
Viscosity / Pot Life	6500 ± 3000 cps	6500 ± 3000 cps	10-15 minutes	15-20 minutes	~2000 cps / ~30 min
Total Volume Solids (ASTM D-2697)	71%	89%	100%	100%	100%
VOC Content (ASTM D-2369-81)	240 g/l	93 g/l	<10 g/l	<10 g/l	56 g/l
Tensile Strength (ASTM D-412)	800 ± 100 psi	1200 ± 300 psi	2500 ± 100 psi	1,320 psi	5700 psi (D-638)
Elongation at Break (ASTM D-412)	500 ± 50%	450 ± 50%	800 ± 100%	435%	>30% (D-638)
Tear Resistance (Die C, ASTM D-624)	170 ± 25 pli	195 ± 25 pli	300 ±25 pli	218 pli	n/a
Hardness (ASTM D-2240)	55 ± 5 Shore A	75 ± 5 Shore A	80 ± 5 Shore A	80 ± 5 Shore A	70 Shore D



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How to Use**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 application.

Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means (CSP 3-4 per ICRI guidelines).

Route out all cracks and joints as part of surface preparation.

Metal - Should be thoroughly cleaned by grinding or blast cleaning.

Application**Priming**

Primer Selection - Determine maximum moisture content of concrete substrate by weight with a Tramex CME or CMExpert type concrete moisture meter.

Sikalastic FTP Primer – For concrete decks with a maximum moisture content of 4% by weight, and for plywood decks, apply Sikalastic FTP Primer with a flat squeegee or phenolic resin core roller at approximately 300 sf/gal. and work well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Sikalastic FTP Primer is not suitable for metal substrates. Refer to separate primer data sheet for additional information.

Sikalastic MT Primer - For concrete with a maximum moisture content of 5% by weight, and for metal flanges and penetrations, apply Sikalastic MT Primer with a flat squeegee or roller at approximately 175 sf/gal. For concrete decks with a maximum moisture content of 6% by weight, apply two applications of Sikalastic MT Primer with a flat squeegee or phenolic resin roller at approximately 175 sf/gal per application. Work primer well into the substrate to ensure adequate penetration and sealing, and puddles are avoided. Refer to separate primer data sheet for additional information.

Primer Mixing

Sikalastic FTP Primer – Premix Part A and Part B components separately using a low speed (400-600 rpm) mechanical mixer and Jiffy Paddle at slow speed to obtain uniform color (typically 30 seconds), making sure to scrape the solids from the bottom and sides of the pail. Sikalastic FTP Part B is dark olive green in color and may appear black in the container. Sikalastic FTP Part A is light amber in color. Add the 1 gallon of Sikalastic FTP Part A to the 1.25 gallons of Part B in the short filled Part B pail. Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). This mixture will appear as a light olive green color. Slowly add 1.25 gallons of potable water to the mixture under agitation. Mix for an additional 2 minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

Sikalastic MT Primer - Premix Part A and Part B components separately using a low speed (400-600 rpm) mechanical mixer and Jiffy Paddle at slow speed to obtain uniform color (typically 30 seconds), making sure to scrape the solids from the bottom and sides of the pail. 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. Do not mix more material than can be applied within the working time limits (i.e. Pot Life) at the actual field temperature.

Detailing

Non-structural cracks up to 1/16 inch – Apply a detail coat of Sikalastic 710 Base at 32 mils wet, Sikalastic 710 Lo-VOC Base at 26 mils wet, Sikalastic 720 Base at 23 mils wet, or Sikalastic 390 Base at 30 mils wet, 4" wide, centered over the crack. Allow to become tack free before overcoating.

Cracks and joints over 1/16 up to 1 inch - Rout and seal with Sikaflex® 2c or 1a sealant and allow to cure. Apply a detail coat of Sikalastic 710 Base at 32 mils wet, Sikalastic 710 Lo-VOC Base at 26 mils wet, Sikalastic 720 Base at 23 mils wet, or Sikalastic 390 Base at 30 mils wet, 4" wide, centered over the crack. Allow to become tack free before overcoating.

Joints over 1 inch – Should be treated as expansion joints and brought up through the Sikalastic 710 Base, Sikalastic 710 Lo-VOC Base, Sikalastic 720 Base, or Sikalastic 390 Base waterproofing membrane and sealed with Sikaflex® 2c or 1a sealant.

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® 2c or 1a sealant. For additional questions please contact Sika Technical Services.

Base Coats

Sikalastic 710 Base – Thoroughly mix (typically 30 seconds) using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed until a homogenous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture. Apply at the recommended coverage rate (see System Guide) using a 3/16" notched squeegee or trowel and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and control joints. Allow coating to cure a minimum of 16 hours at 70°F and 50% RH; base coat must be tack free before over coating.



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Sikalastic 710 Lo-VOC Base – Thoroughly mix Sikalastic 710 Base Lo-VOC using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed until a homogenous mixture and color is obtained. Add Sikalastic 710 Base 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. Apply at the recommended coverage rate (see System Guide) using a 1/4" notched squeegee or trowel and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and control joints. Allow coating to cure a minimum of 16 hours (6 hours with Booster) at 70°F and 50% RH or until tack free before top coating.

Sikalastic 720 Base – Premix Part A and Part B material (typically 30 seconds) using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed to obtain uniform color. Making sure to scrape the solids from the bottom and sides of the pail. Pour Part B into Part A slowly and while mixing scrape the sides 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. Apply at the recommended coverage rate (see System Guide) using a 3/16" notched squeegee or trowel and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and joints. Allow coating to cure a minimum of 3-4 hours at 70°F and 50% RH; base coat must be tack free before over coating. It is important to overcoat within 24 hours. Contact Sika if this window is exceeded.

Sikalastic 390 – Premix Part A and Part B material (typically 30 seconds) using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed to obtain uniform color. Making sure to scrape the solids from the bottom and sides of the pail. Pour Part B into Part A slowly and while mixing scrape the sides 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. Apply at the recommended coverage rate (see System Guide) using a 3/16" notched squeegee or trowel and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and joints. Allow coating to cure a minimum of 5-6 hours at 70°F and 50% RH; base coat must be tack free before over coating. It is important to overcoat within 48 hours. Contact Sika if this window is exceeded.

Binder Coats

Premix Sikadur 22 Lo-Mod Part A and Part B and proportion equal parts by volume into a clean mixing container. Mix with a low-speed (400-600 rpm) mechanical mixer (Jiffy), scraping the sides of the container while mixing, and using care not to allow the entrapment of air into the mixture. Mix the combined materials thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Apply at the recommended coverage rate (see System Guide) using a notched 3/16" squeegee and backroll using a phenolic resin core roller. Apply aggregate evenly distributed at the appropriate rate immediately into wet coating.

For full broadcast applications, slowly broadcast so the aggregate falls vertically into the binder making several passes, allow the binder to bleed through the sand before making the next pass. Cover completely before binder becomes tack free. Allow coating to cure a minimum of 8 hours at 70 degrees F and 50% RH or until tack free between coats. Remove all loose aggregate before top coating or opening to traffic. If no top coat is to be applied, allow coating to cure a minimum of 24 hours (720 Base, 710 Lo-VOC w/Booster), 36 hours (390), or 48 hours (710 Base, 710 Lo-VOC) before opening to vehicular traffic.

For seed and backroll applications, apply aggregate distributed at the appropriate rate immediately into wet coating and backroll. Allow coating to cure a minimum of 8 hours or until tack free before top coating.

Aggregate

Use clean, rounded, oven dried quartz sand with a minimum 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, at an application rate of 10-20 lbs. per 100 square feet, and requires backrolling. A full broadcast of aggregate means a heavy application to refusal; slowly broadcast so the aggregate falls vertically into the binder making several passes, allowing the binder to bleed through the sand before making the next pass; cover completely at a total rate of 1.25 to 1.5 lbs. per square foot before binder becomes tack free; after tack free remove all loose aggregate prior to top coating or opening to traffic.

Top Coats

Sikalastic 735 AL, 736 AL Lo-VOC – Thoroughly mix (typically 30 seconds) using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed until a homogenous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture. Apply at the recommended coverage rate (see System Guide) and backroll using a phenolic resin core roller. Allow coating to cure a minimum of 16 hours at 70°F and 50% RH or until tack free between coats, and a minimum of 72 hours before opening to vehicular traffic.

Sikalastic 745 AL – Premix Sikalastic 745 AL Part A with a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Add Part B and continue mixing until a homogenous mixture and color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture. Apply at the recommended coverage rate (see System Guide) and backroll using a phenolic resin core roller. Allow coating to cure a minimum of 4 hours at 70°F and 50% RH or until tack free between coats, and a minimum of 36 hours before opening to vehicular traffic.

Sikalastic 391, 395 – Premix Sikalastic 391 or 395 Part A and Part B components using a low speed (400-600 rpm) drill with mechanical mixer (Jiffy) at slow speed to obtain uniform color, making sure to scrape the solids from the bottom and sides of the pail. Add Part B into Part A slowly and continue mixing until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into



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the mixture. Apply at the recommended coverage rate (see System Guide) using a 3/16" notched squeegee or trowel, and backroll using a phenolic resin core roller. Allow coating to cure a minimum of 48 hours (391) or 36 hours (395) before opening to vehicular traffic.

System Guides

Sikalastic 710/22 Lo-Mod Traffic System - Single Component

System Guide	Standard Vehicular Traffic - Full Broadcast	Heavy Vehicular Traffic - Full Broadcast	Extra Heavy Vehicular Traffic - Full Broadcast
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.		
710 Detail Coat	32 mils wet over properly treated cracks and joints.		
710 Base Coat	32 mils wet (23 mils dry) - 50 sf/gal.		
22 Lo-Mod Binder I	20 mils wet (20 mils dry) - 70 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal
Aggregate I	1.25 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal
22 Lo-Mod Binder II			32 mils wet (32 mils dry) - 50 sf/gal
Aggregate II			1.5 lbs/sf broadcasted to refusal
715/735 AL Top Coat*	23 mils wet (18 mils dry) - 70 sf/gal	23 mils wet (18 mils dry) - 70 sf/gal	23 mils wet (18 mils dry) - 70 sf/gal
Total Thickness	61 mils dry (excluding aggregate)	73 mils dry (excluding aggregate)	105 mils dry (excluding aggregate)
NOTE:* Top Coat is optional for all full broadcast systems.			
NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.			

System Guide	Heavy Vehicular Traffic - Seed & Backroll	Extra Heavy Vehicular Traffic - Seed & Backroll
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.	
710 Detail Coat	32 mils wet over properly treated cracks and joints.	
710 Base Coat	32 mils wet (23 mils dry) - 50 sf/gal.	
22 Lo-Mod Binder I	16 mils wet (16 mils dry) - 100 sf/gal	16 mils wet (16 mils dry) - 100 sf/gal
Aggregate I	10-20 lbs/100 sf seeded & backrolled	10-20 lbs/100 sf seeded & backrolled
22 Lo-Mod Binder II		16 mils wet (16 mils dry) - 100 sf/gal
Aggregate II		10-20 lbs/100 sf seeded & backrolled
715/735 AL Top Coat	16 mils wet (12 mils dry) - 100 sf/gal	16 mils wet (12 mils dry) - 100 sf/gal
Total Thickness	51 mils dry (excluding aggregate)	67 mils dry (excluding aggregate)
NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.		

Construction



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System Guides

Sikalastic 710 Lo-VOC/22 Lo-Mod Traffic System – Single Component

System Guide	Standard Vehicular Traffic - Full Broadcast	Heavy Vehicular Traffic - Full Broadcast	Extra Heavy Vehicular Traffic - Full Broadcast
Primer	Sikalastic FTP Lo-VOC - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.		
710 Base Lo-VOC Detail Coat	26 mils wet over properly treated cracks and joints.		
710 Base Lo-VOC Base Coat	26 mils wet (23 mils dry) - 61 sf/gal.		
22 Lo-Mod Binder I	20 mils wet (20 mils dry) - 70 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal
Aggregate I	1.25 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal
22 Lo-Mod Binder II			32 mils wet (32 mils dry) - 50 sf/gal
Aggregate II			1.5 lbs/sf broadcasted to refusal
715 Top Lo-VOC /736 AL Lo-VOC Top Coat I*	21/23 mils wet (18 mils dry) - 76/70 sf/gal	21/23 mils wet (18 mils dry) - 76/70 sf/gal	21/23 mils wet (18 mils dry) - 76/70 sf/gal
Total Thickness	61 mils dry (excluding aggregate)	73 mils dry (excluding aggregate)	105 mils dry (excluding aggregate)
NOTE: *Top coat is optional for all full broadcast systems			
NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.			

System Guide	Heavy Vehicular Traffic - Seed & Backroll	Extra Heavy Vehicular Traffic - Seed & Backroll
Primer	Sikalastic FTP Lo-VOC - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.	
710 Base Lo-VOC Detail Coat	26 mils wet over properly treated cracks and joints.	
710 Base Lo-VOC Base Coat	26 mils wet (23 mils dry) - 61 sf/gal.	
22 Lo-Mod Binder I	16 mils wet (16 mils dry) - 100 sf/gal	16 mils wet (16 mils dry) - 100 sf/gal
Aggregate I	10-20 lbs/100 sf seeded & backrolled	10-20 lbs/100 sf seeded & backrolled
22 Lo-Mod Binder II		16 mils wet (16 mils dry) - 100 sf/gal
Aggregate II		10-20 lbs/100 sf seeded & backrolled
715 Top Lo-VOC /736 AL Lo-VOC Top Coat I	13/14 mils wet (12 mils dry) - 123/114 sf/gal	13/14 mils wet (12 mils dry) - 123/114 sf/gal
Total Thickness	51 mils dry (excluding aggregate)	67 mils dry (excluding aggregate)
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System Guides

Sikalastic 720/22 Lo-Mod Traffic System – Two Component

System Guide	Standard Vehicular Traffic - Full Broadcast	Heavy Vehicular Traffic - Full Broadcast	Extra Heavy Vehicular Traffic - Full Broadcast
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.		
720 Detail Coat	23 mils wet over properly treated cracks and joints.		
720 Base Coat	23 mils wet (23 mils dry) - 70 sf/gal.		
22 Lo-Mod Binder I	20 mils wet (20 mils dry) - 70 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal
Aggregate I	1.25 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal
22 Lo-Mod Binder II			32 mils wet (32 mils dry) - 50 sf/gal
Aggregate II			1.5 lbs/sf broadcasted to refusal
745 AL Top Coat*	18 mils wet (18 mils dry) - 89 sf/gal	18 mils wet (18 mils dry) - 89 sf/gal	18 mils wet (18 mils dry) - 89 sf/gal
Total Thickness	61 mils dry (excluding aggregate)	73 mils dry (excluding aggregate)	105 mils dry (excluding aggregate)
NOTE: *Top coat is optional for all full broadcast systems			
NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.			

System Guide	Heavy Vehicular Traffic - Seed & Backroll	Extra Heavy Vehicular Traffic - Seed & Backroll
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.	
720 Detail Coat	23 mils wet over properly treated cracks and joints.	
720 Base Coat	23 mils wet (23 mils dry) - 70 sf/gal.	
22 Lo-Mod Binder I	16 mils wet (16 mils dry) - 100 sf/gal	16 mils wet (16 mils dry) - 100 sf/gal
Aggregate I	10-20 lbs/100 sf seeded & backrolled	10-20 lbs/100 sf seeded & backrolled
22 Lo-Mod Binder II		16 mils wet (16 mils dry) - 100 sf/gal
Aggregate II		10-20 lbs/100 sf seeded & backrolled
745 AL Top Coat	12 mils wet (12 mils dry) - 133 sf/gal	12 mils wet (12 mils dry) - 133 sf/gal
Total Thickness	51 mils dry (excluding aggregate)	67 mils dry (excluding aggregate)
NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.		



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System Guides

Sikalastic 390/22 Lo-Mod Traffic System – Two Component

System Guide	Standard Vehicular Traffic - Full Broadcast	Heavy Vehicular Traffic - Full Broadcast	Extra Heavy Vehicular Traffic - Full Broadcast
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.		
390 Detail Coat	30 mils wet over properly treated cracks and joints.		
390 Base Coat	20 mils wet (20 mils dry) - 80 sf/gal.		
22 Lo-Mod Binder I	20 mils wet (20 mils dry) - 70 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal	32 mils wet (32 mils dry) - 50 sf/gal
Aggregate I	1.25 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal	1.5 lbs/sf broadcasted to refusal
22 Lo-Mod Binder II			32 mils wet (32 mils dry) - 50 sf/gal
Aggregate II			1.5 lbs/sf broadcasted to refusal
395 AL Top Coat*	18 mils wet (18 mils dry) - 89 sf/gal	18 mils wet (18 mils dry) - 89 sf/gal	18 mils wet (18 mils dry) - 89 sf/gal
Total Thickness	58 mils dry (excluding aggregate)	70 mils dry (excluding aggregate)	102 mils dry (excluding aggregate)

NOTE: *Top coat is optional for all full broadcast systems

NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.

System Guide	Heavy Vehicular Traffic - Seed & Backroll	Extra Heavy Vehicular Traffic - Seed & Backroll
Primer	Sikalastic FTP - 300 sf/gal. Consult Sika for other primer options for recover and high moisture content substrates.	
390 Detail Coat	30 mils wet over properly treated cracks and joints.	
390 Base Coat	20 mils wet (20 mils dry) - 80 sf/gal.	
22 Lo-Mod Binder I	16 mils wet (16 mils dry) - 100 sf/gal	16 mils wet (16 mils dry) - 100 sf/gal
Aggregate I	10-20 lbs/100 sf seeded & backrolled	10-20 lbs/100 sf seeded & backrolled
22 Lo-Mod Binder II		16 mils wet (16 mils dry) - 100 sf/gal
Aggregate II		10-20 lbs/100 sf seeded & backrolled
395 AL Top Coat	12 mils wet (12 mils dry) - 133 sf/gal	12 mils wet (12 mils dry) - 133 sf/gal
Total Thickness	48 mils dry (excluding aggregate)	64 mils dry (excluding aggregate)

NOTE: Coverage rates provided are optimal and are not guaranteed - coverage rates will vary depending on temperature, surface roughness and porosity, aggregate selection and embedment, and application technique.



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Recoat Windows

In the event of an unforeseen rain event or delays beyond the stated recoat window referenced in each product's current PDS, observe the following.

Product	Recoat Window	Required Surface Preparation After Recoat Window is Exceeded
Sikalastic FTP	Tack-free to 48 hrs.	Heavily abrade and reprime
Sikalastic MT	Tack-free to 48 hrs.	Heavily abrade and reprime
Sikalastic 710	Tack-free to 72 hrs.	Clean and solvent wipe or Clean and Sikalastic Recoat Primer
Sikalastic 710 Lo-VOC	Tack-free to 48 hrs.	Clean and solvent wipe or Clean and Sikalastic Recoat Primer
Sikalastic 710 Lo-VOC with 710 Lo-VOC Booster	6 - 24 hrs.	Clean and solvent wipe or Clean and Sikalastic Recoat Primer
Sikalastic 720	Tack-free to 24 hrs.	Abrade, clean and solvent wipe or Abrade, clean and Sikalastic Recoat Primer
Sikalastic 390	Tack-free to 48 hrs.	Abrade, clean and solvent wipe or Abrade, clean and Sikalastic Recoat Primer
Sikadur 22 Lo-Mod - Seeded	Tack-free to 24 hrs.	Heavily abrade and reapply
Sikadur 22 Lo-Mod – Full Broadcast	Tack-free to 72 hrs.	Clean and power dry

Notes:

1. Heavy abrasion of epoxy-based materials is intended to achieve an open, porous surface and to remove any amine blush that may interfere with bonding.
2. Abrasion of polyurethane-based materials is intended to achieve an open, porous surface.
3. Cleaning is intended to remove dirt, debris, contaminants, and residue from mechanical surface preparation methods.
4. Recommended solvents include high quality xylene and acetone. Handling and use of all solvents must be done in accordance with the manufacturer's warnings and instructions for use.

Removal

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

Maintenance /Repair

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 /Precautions

- 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 or CMExpert type concrete moisture meter : 4% for Sikafloor FTP Primer applications; 5% with one application of Sikalastic MT Primer; 6% with two applications of Sikalastic MT Primer (see separate Sikalastic MT Primer product data sheet).
- Minimum ambient and substrate temperature during application and curing of material is 40°F (4°C); maximum is 95 F (35°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.
- Coating materials will become more viscous at lower application temperatures and be more difficult to spread, which may affect coverage rates.
- 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.
- 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/or vapors into the building/structure during product application and cure.



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- 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 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 between-slab membrane require further technical evaluation to determine substrate moisture content and priming with a moisture-tolerant primer - contact Sika regarding recommendations.
- Do not subject to continuous immersion.
- Sikalastic 710, 710 Lo-VOC, 720, and Sikalastic 390 Base coats are not UV stable and must be top coated.
- Base coats must be kept clean and recoated within 48 hours (710 Base, 710 Lo-VOC Base, 390 Base) or 24 hours (720 Base). If this recoat window is exceeded, contact Sika for recommendations.
- Sikadur 22 Lo-Mod may exhibit cracking due to excessive substrate movement and 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.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.

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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.

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 instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

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