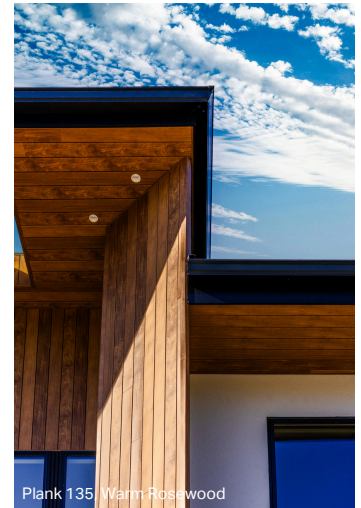


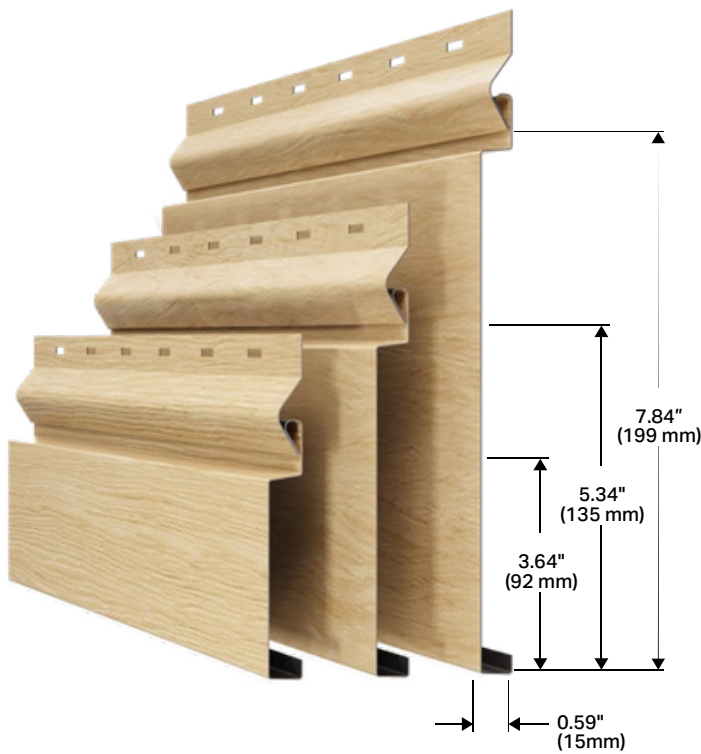
Plank 90 | 135 | 200



Plank 135, River Rock Grey, Cambridge White, Mountain Cedar

Plank 135, Natural Maple

Plank 135, Warm Rosewood



Dimensions

Fastening System	Hidden fasteners
Application	Wall
Panel Width	Plank 90: 3.64" (92mm) Plank 135: 5.34" (135mm) Plank 200: 7.84" (199mm)
Profile Depth	0.59" (15mm)
Screw Holes	Width: 0.187" (4.76mm) Height: 0.63" (16.0mm)
Screw Holes Spacing	2.0" (50.8mm) center to center

Panel Width	Gauges		Weight - LB/FEET
Plank 90	24GA	Non-Standard	0.695
Plank 90	26GA		0.553
Plank 135	24GA	Non-Standard	0.836
Plank 135	26GA		0.666
Plank 200	24GA	Non-Standard	1.045
Plank 200	26GA		0.832

*Weight-LB per linear feet may differ per paint finish, gauge and profile covered width. Please contact your sales representative for further assistance.

Installation Direction

Installation Orientation	Horizontal & vertical
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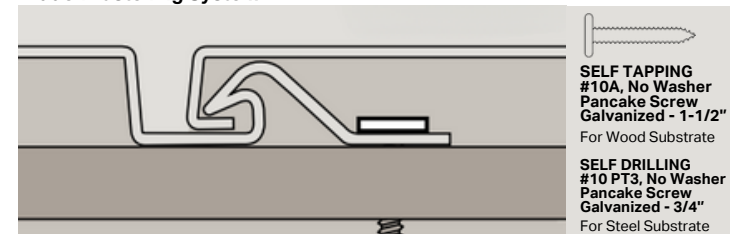
Lead Times

Standard Regional	2-3 weeks
Nonstandard	Upon customer request

Product Description

Our Bellara Plank steel siding series is an ideal choice for both residential and commercial projects. These 12-foot planks are incredibly versatile, serving a variety of purposes—from creating captivating wall features to crafting elegant soffits. The siding is designed to emulate natural wood, engineered from steel, and built to last a lifetime. For those who appreciate the beauty of woodgrain finishes, our Bellara Plank offers a hyper-realistic appearance without the environmental impact of using real wood.

Hidden Fastening System



SELF TAPPING #10A, No Washer Pancake Screw Galvanized - 1-1/2"
For Wood Substrate

SELF DRILLING #10 PT3, No Washer Pancake Screw Galvanized - 3/4"
For Steel Substrate

Plank 90 | 135 | 200

Expressence – Architectural Print Series

Warm Rosewood 18-0191 24, 26GA	Dark Rosewood 18-3280 26GA	Charred Circle Sawn 18-3267 26GA	Whitewashed 18-3269 26GA	Smoked Barnboard 18-0257 26GA	Brindle Barnboard 18-0270 26GA	Obsidian Barnboard 18-3273 26GA

Signature – SMP Coated metal

Deep Walnut 18-2768 24, 26GA	Mountain Cedar 18-2772 24, 26GA	River Rock Gray 18-0254 24, 26GA	Natural Maple 18-0255 24, 26GA	Regent Grey 56082 26GA	Stone Grey 56071 24, 26GA	Cambridge White 56161 24, 26GA

Signature Matte – SMP Coated metal

Ebony 9822 24, 26GA	Graphite 9821 24, 26GA	Espresso 10276 24, 26GA

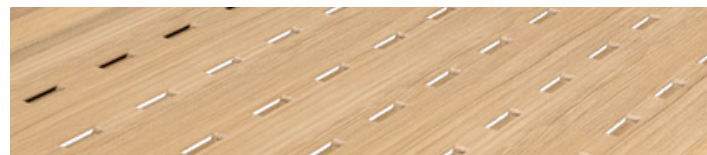


Colour Availability

Please scan the QR code or [click here](#) to confirm colour availability for Bellara Plank 90, 135, & 200 by region.

Perforation*

7.0in2/ft2 (48,613mm2/m2)



Punch Size	Ventillation Area	% Open Air
0.5"(12.7mm) x 0.125"(3.175mm)	7.0in2/ft2 (48,613mm2/m2)	4.86%

*Only available for 135mm Plank.
Note: perforation voids warranty.

Warranty

[Weather XL Expressence](#)



Principal Characteristics

- Realistic 5/8" thick architectural profile
- Durable locking system
- Galvanized steel to protect from rust and UV exposure
- Longer lasting than traditional wood siding
- Hidden fastener system
- Pre-punched holes
- Complete system of colour-matched trims
- Sidelap design eliminates the need for clips or unsightly butt joints

Engineering & Environmental Documents

- [CSSBI EPD](#)
- [XCarb EPD](#)
- [Bellara EPD](#)
- [Install Guide](#)
- [Bellara Negative Wind Load - ASD](#)
- [Bellara Negative Wind Load - LSD](#)



Plank 90 | 135 | 200

Matching Trim System



Inside Corner
TM01-301



Outside Corner
TM04-304



Conversion Moulding
TM15-315



Partition Moulding
TM21-321



J-Trim
TMMLD-313



A & B 2-Piece J-Trim
TMMLD-350A
TMMLD-350B



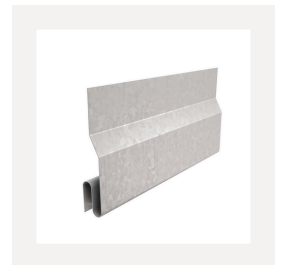
Drip Edge
TM22-322



Z-58 Support Trim
TMMLD-Z58



Universal Starter
TMMLD-USTART



Starter Strip
TMMLD-352



Perforated Anti-Rodent
Starter Strip
TMMLD-351

ProKut Kit (UKUT8)



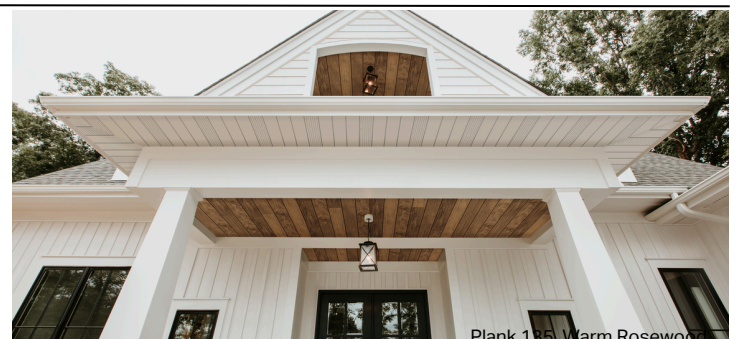
Description

While cutting Bellara Steel Siding can be done using traditional tools, we've developed a custom cutter to make installation even easier.

- Cut all Bellara profiles including Plank 90, 135, and 200, Board & Batten 140 and 260, and Lap Siding 155
- Kit includes 4 different blades
- Assembly required
- Available nationally



Plank 135, Brindle Barnboard



Plank 135, Warm Rosewood



Vicwest Inc. reserves the right to amend product specifications without prior notice. Product specification, thicknesses and colours shown in this document should not be taken as being available in all regions, and reference should be made to Vicwest's colour chart, or advice should be sought from Vicwest's Customer Service Department. Recommendations for the uses described herein should be verified for suitability and compliance with actual requirements of any local building codes, applicable laws and regulations. Colours shown in this document are representative only. Final colour selection should be made from actual colour samples which are available through our Sample Store. To ensure you are viewing the most recent and accurate product information, please scan the QR code or [click here](#).

vicwest-bellara-plank-data-sheet-en-ca-us
MKG-DS-EN-V1

Sure-Flex™ PVC

Membrane



Overview

Carlisle's Sure-Flex PVC is an advanced-formula, heat-weldable PVC membrane that is designed for long-term weatherability and performance. The physical properties of the membrane are enhanced by a tenacious, anti-wicking, weft-inserted polyester fabric that is encapsulated by thick PVC-based top and bottom plies. The membrane's smooth surfaces facilitate a permanent weld for a consistent, watertight, monolithic roof assembly.

Features and Benefits

- » Exceptional fire and chemical resistance
- » Fully formulated monolithic top-ply for long-term weatherability
- » Enhanced physical characteristics meeting ASTM D4434 Type IV requirements
- » Antimicrobials throughout the polymer for increased resistance to mold, mildew, and algae growth
- » Highly flexible with a wide window of weldability for ease of installation
- » Available colors:



Sustainable Attributes

Carlisle SynTec Systems' focus has always been innovation - Innovation to solve problems, improve performance, reduce labor, and above all, improve sustainability. Carlisle is committed to driving sustainable and efficient processes in the design and manufacturing of our products.

- » PVC polymer derived from less than 50% fossil fuels
- » Up to 10% pre-consumer recycled content
- » Fully recyclable when used in mechanically-attached systems
- » 3rd-party verified Environmental Product Declaration available
- » California Title 24 compliant*
- » See Radiative Properties and LEED® Information tables below for additional attributes

*White only.

Installation

Installation requires minimal labor and few components, making it quick and easy to install. Sheet seams are heat-welded together using hot-air welding equipment to create a monolithic, water-tight roof system.

Sure-Flex PVC is suitable for the following roof systems:

Fully-Adhered – membrane is adhered to a suitable substrate utilizing an appropriate bonding adhesive

Mechanically Fastened – membrane is attached to a suitable substrate utilizing plates and fasteners which are overlapped with membrane

Induction-Welded – membrane is attached to a suitable substrate via an induction welding tool being placed over the membrane where a fastened PVC induction welding plate is located to weld the two components together

Review Carlisle specifications and details for complete installation information.

Sure-Flex PVC Membrane

Precautions

- » Sunglasses that filter out ultraviolet light are strongly recommended when working on reflective membranes. Roofing technicians should dress appropriately and wear sunscreen.
- » Exercise caution when walking on wet membranes; membranes may be slippery when wet or due to frost and ice buildup.
- » Care must be exercised while working close to a roof edge when the surrounding area is snow-covered, as the roof edge may not be clearly visible.
- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Store membrane in its original, undisturbed plastic wrap in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins.
- » Membrane that has been exposed to the weather or contaminated with dirt must be prepared with Sure-Flex PVC/KEE HP Membrane Cleaner prior to hot-air welding.

Supplemental Approvals, Statements and Characteristics

- » Sure-Flex PVC meets or exceeds the requirements of ASTM D4434 Standard Specification for Poly (Vinyl Chloride) Sheet Roofing. Sure-Flex PVC is classified as Type III and/or Type IV as defined by ASTM D4434.
- » Sure-Flex reinforced PVC was tested for dynamic puncture resistance per ASTM D5635-04 using the most recently modified impact head. 50-mil thick membrane was watertight after an impact energy of 22.5 J (16.6 ft-lbf), which passes the ASTM D4434 requirement.
- » Sure-Flex reinforced PVC was tested for static puncture resistance per ASTM D5602-98 and exceeded 33 lbf (145 N), which passes the ASTM D4434 requirement.

Typical Properties and Characteristics

Physical Property	ASTM D4434 Requirement	50-mil	60-mil	80-mil
Thickness over scrim , in. (mm) ASTM D4434 optical method average of 3 areas	0.016 min (0.40)	0.022 (0.559)	0.027 (0.686)	0.037 (0.940)
Weight , lbs/ft ² (kg/m ²)	No requirement	0.33 (1.61)	0.40 (1.95)	0.55 (2.68)
Breaking strength (MD x CD), lbf (N) ASTM D751 grab method	275 min (1223)	320 x 300 (1423 x 1334)	330 x 300 (1468 x 1334)	360 x 330 (1601 x 1468)
Elongation break of reinforcement (MD x CD), % ASTM D751 grab method	25 min	30 x 30	30 x 30	30 x 30
Tearing strength (MD x CD), lbf (N) ASTM D751 proc. B, 8 in. x 8 in.	90 min (400)	100 x 120 (445 x 534)	100 x 130 (445 x 578)	100 x 132 (445 x 587)
Low temperature bend , ASTM D2136, no cracks 5x at -40°C	PASS	PASS (-40°C)	PASS (-40°C)	PASS (-40°C)
Linear dimensional change , % ASTM D1204, 6 hours at 176°F	±0.5 max	0.4	0.4	0.4
Ozone resistance , no cracks 7x ASTM D1149, 100pphm, 168 hrs	PASS	PASS	PASS	PASS
Water absorption resistance , mass % ASTM D570, 166 hours at 158°F water	±3.0 max	2.0	2.0	2.0
Field seam strength , lbf/in. (kN/m) ASTM D1876 tested in peel	No requirement	25 (4.4) min 60 (10.5) typ.	25 (4.4) min 60 (10.5) typ.	25 (4.4) min 60 (10.5) typ.
Water vapor permeance , Perms, ASTM E96 proc. B	No requirement	0.10 max 0.05 typ	0.10 max 0.05 typ	0.10 max 0.05 typ
Puncture resistance - Federal, lbf (kN) FTM 101C, method 2031	No requirement	280	320	380
Puncture resistance - Dynamic, J (ft-lbf) ASTM D5635	20 (14.7)	PASS	PASS	PASS
Puncture resistance - Static, lbf (N) ASTM D5602	33 (145)	99 (440)	99 (440)	99 (440)
Xenon-Arc resistance , no cracks/ crazing 10x, ASTM G155 0.35 W/m ² at 340-nm, 63°C B.P.T. 12,600 kJ/m ² total radiant exposure 10,000 hours	PASS	PASS	PASS	PASS
Properties after heat aging ASTM D3045, 56 days at 176°F Breaking strength, % retained Elongation reinf., % retained	90 min	90 min	90 min	90 min
Air Permeance ASTM E2178	No requirement	PASS	PASS	PASS


Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Sure-Flex PVC Membrane

Radiative Properties for Cool Roof Rating Council (CRRC) and LEED

Physical Property	Test Method	White PVC	Tan PVC	Gray PVC	Light Gray PVC	Slate Gray PVC
CRRC - Initial Solar Reflectance	ASTM C1549	0.87	0.72	0.59	0.74	N/A
CRRC - Solar Reflectance after 3 years	ASTM C1549 (uncleaned)	0.70	0.56	0.49	0.59	N/A
CRRC - Initial Thermal Emittance	ASTM C1371	0.89	0.87	0.89	0.88	N/A
CRRC - Thermal Emittance after 3 years	ASTM C1371 (uncleaned)	0.88	0.87	0.89	0.89	N/A
Solar Reflective Index (SRI)	ASTM E1980	110	89	70	91	N/A
Solar Reflective Index (SRI) SRI after 3 years	ASTM E1980	86	65	57	70	N/A

Green Building Information

Pre-Consumer Recycled Content	10%
Post-Consumer Recycled Content	0%
Solar Reflectance Index (SRI)	White: 110, Tan: 89, Gray: 70, Light Gray: 91, Slate Gray: N/A
Global Warming Potential (GWP)	50-mils: 5.5, 60-mils: 6.6, 80-mils: 8.8
Volatile Organic Compounds (VOC) Content	N/A
Manufacturing Location(s)	Greenville, IL
Corporate Sustainability Report (CSR) Availability	Yes
Environmental Product Declaration (EPD) Availability	



PRODUCT DATA SHEET

Sarnafil® S 327-60 EnergySmart

60 mil thick PVC thermoplastic membrane

PRODUCT DESCRIPTION

Sarnafil® S 327-60 EnergySmart Roof Membrane is a PVC thermoplastic membrane produced with an integral polyester reinforcement for high strength, is highly reflective, with heat-weldable seams, and a unique lacquer coating applied to the top of the membrane to reduce dirt pick up. Sarnafil® S 327-60 EnergySmart utilizes the Pro-Weld™ visual indicator to provide real-time feedback that the proper seam welding temperature and speed settings are being used during installation.

USES

Used in mechanically attached applications with various fastening methods, over various substrates. It can also be used in adhered applications to approved substrates.

AREAS OF APPLICATION

- New Roofs
- Reroofs
- Recovers

CHARACTERISTICS / ADVANTAGES



- Highly reflective
- Excellent tear strength resistance
- Factory applied lacquer coated to reduce dirt pick up
- Hot-air welded seams for long-term performance
- Proven membrane performance
- Superior fire resistance
- Pro-Weld™ visual welding temperature indicator¹

¹ Available on White, Gray and Tan membranes

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Underwriters Laboratories of Canada
- ICC Code Compliance – ESR 1157
- Miami-Dade County
- Florida Building Code
- NSF/ANSI 347: Platinum Certified
- California Title 24
- LEED / Green Globes

PRODUCT INFORMATION

Chemical Base	High-quality, PVC membrane containing ultraviolet light stabilizers, flame retardant and polyester scrim reinforcement with a unique lacquer coating on the top surface.	
Recycled Content	9% Pre-consumer, 1% Post-consumer	
Reinforcing Material	Polyester	
Packaging	60 mil (1.5 mm) Membrane 10 ft x 100 ft (3 m x 30 m) roll, 389 lbs (177 kg) per roll 8 rolls per pallet 5 ft x 100 ft (1.5 m x 30 m) roll, 195 lbs (89 kg) per roll 12 rolls per pallet Coverstrip: 8" x 100 ft (20 cm x 30 m) roll, 25 lbs (12 kg) per roll 25 per pallet	
Appearance / Color	<ul style="list-style-type: none"> ▪ Top: White, Tan, and Reflective Gray ▪ Bottom: Gray 	
Shelf Life	N/A	
Storage Conditions	Store rolls on pallets and fully protected from the weather with clean canvas tarpaulins. Unvented polyethylene tarpaulins are not accepted due to the accumulation of moisture beneath the tarpaulin in certain weather conditions that may affect the ease of membrane weldability.	
Overall Thickness	60 mil (1.5 mm), minimum thickness 45 mil	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
Thickness Above Scrim	27 mil 16 mil	(ASTM D-7635) (ASTM Type III D-4434 Spec. Requirement)

TECHNICAL INFORMATION

Resistance to Static Puncture	Pass 33 lbf (15 kg)	(ASTM D-5602) (ASTM Type III D-4434 Spec. Requirement)
Resistance to Dynamic Puncture	Pass 14.7 ft-lbf (20 J)	(ASTM D-5635) (ASTM Type III D-4434 Spec. Requirement)
Tensile Strength	305 lbf (1356 N) 200 lbf (890 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
Elongation at Break	28.5 & 29.5% MD & CMD ¹ 15 & 15% MD & CMD ¹	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
	¹ MD = Machine Direction, CMD = Cross Machine Direction.	
Linear Dimensional Change	-0.12% 0.5%	(ASTM D-1204) (ASTM Type III D-4434 Spec. Requirement)
Tear Strength	48 lbf (213 N) 45 lbf (200 N)	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
Seam Strength	Pass 75% of original ²	(ASTM D-751) (ASTM Type III D-4434 Spec. Requirement)
	² Failure occurs through membrane rupture not seam failure.	

Retention of Properties after Heat Ageing	Tensile Strength, % of original: Pass		(ASTM D-751)
	Elongation, % of original: Pass		(ASTM D-751)
	Tensile Strength, % of original: 90		(ASTM Type III D-4434 Spec. Requirement)
	Elongation, % of original: 90		
UV Exposure	10,000 hours		(ASTM G-154)
	5,000 hours		(ASTM Type III D-4434 Spec. Requirement)
	Cracking (7x magnification)	None	
	Crazing (7x magnification)	None	
Weight Change after Immersion in Water	2.0%		(ASTM D-570)
	± 3.0%		(ASTM Type III D-4434 Spec. Requirement)
Solar Reflectance	EnergySmart Colors	Initial Solar Reflectance¹	3-Year Solar Reflectance¹
	EnergySmart White ²	0.84	0.76
	EnergySmart Tan ²	0.73	0.65
	EnergySmart Reflective Gray ²	0.73	0.66
¹ Solar Reflectance testing according to ASTM C1549.			
² Meets LEED, Green Globes, and California's Title 24 criteria for Low and Steep Slope applications.			
Thermal Emittance	EnergySmart Colors	Initial Thermal Emittance¹	3-Year Thermal Emittance¹
	EnergySmart White ²	0.86	0.85
	EnergySmart Tan ²	0.85	0.86
	EnergySmart Reflective Gray ²	0.89	0.88
¹ Thermal Emittance testing according to ASTM C1371, Slide Method.			
² Meets LEED, Green Globes, and California's Title 24 criteria for Low and Steep Slope applications.			
Solar Reflectance Index	EnergySmart Colors	Initial Solar Reflectance Index¹	3-Year Solar Reflectance Index¹
	EnergySmart White ²	105	93
	EnergySmart Tan ²	89	78
	EnergySmart Reflective Gray ²	90	80
¹ Solar Reflectance Index calculated according to ASTM E1980.			
² Meets LEED, Green Globes, and California's Title 24 criteria for Low and Steep Slope applications.			
Low Temperature Bend	Pass		(ASTM D-2136)
	Pass -40°F (-40°C)		(ASTM Type III D-4434 Spec. Requirement)

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.

AVAILABILITY/WARRANTY

AVAILABILITY

From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil or Sikaplan systems.

WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

APPLICATION

Sarnafil S 327 is rolled out after proper preparation of the approved substrate and fastened to the roof deck with appropriate mechanically attached system with Sarnafasteners in accordance with Sika's technical requirements. Sarnafil S 327 seams are heat-welded together by trained operators using hot-air welding equipment. Different mechanically attached systems require different application methods. Please consult Sika's Specifications or Applicator Handbook for detailed installation procedures.

MAINTENANCE

Standard maintenance of Sarnafil systems should include regular inspections of flashings, drains, and termination sealants at least twice a year and after each storm.

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

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Product Data Sheet

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February 2025, Version 09.01
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