BUILDING TRUST

PRODUCT DATA SHEET

Ply Sheet HA 87

Hot applied SBS modified bitumen fiberglass reinforced ply sheet

PRODUCT DESCRIPTION

Ply Sheet HA 87 is a 87 mil (2.2 mm) thick hot or cold applied SBS modified bitumen fiberglass reinforced ply sheet for use within Sarnafil® hybrid roofing systems. Ply Sheet HA 87 can also be used as a vapor retarder in Sarnafil® and Sikaplan® roofing systems. It can be left exposed for up to six (6) months.

USES

- Ply sheet within Sarnafil hybrid roofing systems
- Vapor retarder within Sarnafil and Sikaplan roofing systems

AREAS OF APPLICATION

- Sarnafil hybrid roofing systems over light weight insulating concrete, cementitious wood fiber deck and metal deck
- Vapor retarder direct to structural concrete deck and DensDeck® Prime

CHARACTERISTICS / ADVANTAGES

- Superior tensile strength
- Weathering surface allows for exposure for up to six (6) months
- Fiberglass reinforcement provides dimensional stability
- Fine mineral aggregate (sand) topside accepts approved urethane adhesives for membrane attachment

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Florida Building Code
- Meets ASTM D6163, Type I, Grade S
- Tested according to ASTM E108
- Tested according to ANSI/FM 4474 for wind uplift
- Tested according to Miami-Dade TAS 114 for wind uplift

PRODUCT INFORMATION

Chemical Base	SBS polymer modified bitumen with a fiberglass mat reinforcement and fine mineral aggregate (sand) topside and polyolefin burn-off film underside	
Packaging	39.4" (1 m) x 49.2 ft (15 m) roll, 101 lbs (45.8 kg) per roll 30 rolls per pallet	
Shelf Life	N/A	
Storage Conditions	Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture.	
Thickness	87 mil (2.2 mm) 67 mil (1.7 mm) at selvage, minimum	(ASTM D-5147) (ASTM D-5147)
Mass per Unit Area	62.6 lb/100 ft² (3054 g/m²)	(ASTM D-5147)

TECHNICAL INFORMATION

Tensile Strength	Peak load @ 0°F (-18°C)		(ASTM D-5147)
	Machine Direction	**Cross Machine Direction**	
	100 lbf/in (17.5 kN/m)	90 lbf/in (15.8 kN/m)	
	Peak load @ 73.4°F (23°C)		
	Machine Direction	**Cross Machine Direction**	
	50 lbf/in (8.8 kN/m)	40 lbf/in (7.0 kN/m)	
Elongation	Elongation at peak load @ 0°F (-18°C)		(ASTM D-5147)
	Machine Direction	**Cross Machine Direction**	
	4%	4%	
	Elongation at peak load @ 73.4°F (23°C)		
	Machine Direction	**Cross Machine Direction**	
	5%	4%	
	Ultimate elongation @ 73.4°F (23°C)		
	Machine Direction	**Cross Machine Direction**	
	45%	45%	
Dimensional Stability	**Machine Direction**	**Cross Machine Direction**	(ASTM D-5147)
	<0.1%	<0.1%	
Tear Strength	**Machine Direction**	**Cross Machine Direction**	(ASTM D-5147)
	60 lbf (267 N)	60 lbf (267 N)	
Water Vapor Transmission	0.010 perms (0.565 ng/(Pa·s·m²))		(ASTM E-96)
Service Temperature	Compound Stability 250°F (121°C)		(ASTM D-5147)
Low Temperature Bend	**Machine Direction**	**Cross Machine Direction**	(ASTM D-5147)
	-15°F (-26°C)	-15°F (-26°C)	
Coverage	161 ft² (15 m²) per roll		

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, 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

SUBSTRATE PREPARATION

All surfaces must be clean, sound, dry, and free of loose materials or contaminants such as water, frost, ice, oil and grease that would interfere with proper adhesion and compromise the performance of the product.

In accordance with the ICRI Technical Guideline No. 310.2R-2013, newly poured concrete surfaces must be finished by forming, wood float, steel or power trowel, or broom finished to meet the equivalency of a CSP type surface between a rating of 2 – 5.

Application to structural concrete surfaces and DensDeck Prime require priming with Vapor Retarder Primer TA or Vapor Retarder Primer BE. See Vapor Retarder Primer TA or Vapor Retarder Primer BE product data sheet for additional information.

APPLICATION

Prior to installation, unroll Ply Sheet HA 87 onto the roof surface and allow it to relax. Place Ply Sheet HA 87 in desired position and back roll the product. Apply a full mopping of Type III or Type IV asphalt in accordance with industry standards at a minimum rate of 25 lbs per 100 square feet (1.2 kg/m²). Install Ply Sheet HA 87 so that there are no significant and avoidable air spaces between the ply sheet and the substrate.

Ply Sheet HA 87 can be installed with Sika's cold applied vapor retarder adhesives. See Sika's vapor retarder adhesive product data sheets for additional information.

Overlap side laps 3" (76 mm) and end laps 6" (152 mm)

COVERAGE

161 ft² (15 m²) per roll

MAINTENANCE

Standard maintenance of Sarnafil or Sikaplan 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.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at https://usa.sika.com/en/about-us/terms-conditions-of-sale.html or by calling 1-800-933-7452.

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