



PRODUCT DATA SHEET

SikaWall®-85 Flash Seal NP

(formerly MSeal AWB 970NP)

A composite, self-adhering flashing membrane.

PRODUCT DESCRIPTION

SikaWall®-85 Flash Seal NP is a 20-mil thick, self-adhering, self-sealing, composite membrane of polyester fabric and butyl adhesive. SikaWall®-85 Flash Seal NP is supplied in rolls, on release paper, for easy application.

USES

1. Used as an air barrier accessory to connect different air barrier materials or assemblies together to make the air barrier continuous.
2. Flashing at sills, approved sheathing joints, rough openings, and terminations.
3. As an expansion joint seal.

CHARACTERISTICS / ADVANTAGES

- Primerless application
- 180-day UV exposure
- Remains flexible over time
- Meets AAMA 711-13

TECHNICAL INFORMATION

Test Results

TEST	METHOD	CRITERIA	RESULT
Peel Adhesion	ASTM D3330 - Method F	24 hrs at 73°F at 50 RH Minimum 1.5 lbf/in	OSB - 2.1 lbf/in Anodized Aluminum - 4.9 lbf/in Vinyl - 4.3 lbf/in Plywood (APA Grade Exposure 1) - 3.0 lbf/in Glass Mat Sheathing - 3.4 lbf/in Product Applied to Its Face - 2.0 lbf/in
Peel Adhesion After Conditioning A. Accelerated Aging B. Thermal Cycling C. Elevated Temperature D. After Immersion	ASTM D3330 - Method F	Minimum 1.5 lbf/in	A. 7.7 lbf/in B. 6.7 lbf/in C. 6.7 lbf/in D. 6.4 lbf/in
Accelerated Aging	AAMA 711 Sec 5.4 ASTM G154, Cycle 1	14 days (336 hours) to Cycle 1 of G154: 8 hrs UV at 140°F (60°C), 4 hours Condensation at 122°F (50°C)	Pass, no deleterious effects such as wrinkling, distortion, blistering, expansion, shrinkage or warpage.
Thermal Cycling	AAMA 711 Sec 5.6	10 cycles: 8 hrs at 120°F (50°C) followed by 16 hrs at -40°F (-40°C)	Pass, no deleterious effects such as wrinkling, distortion, blistering, expansion, shrinkage or warpage.
Elevated Temperature	ASTM D3330	Tested at 122 °F (50 °C), 149 °F (65 °C) and 176 °F (80 °C)	Pass - Level 3-176°F; no appearance change - no wrinkling, distortion, blistering, delamination, warpage
Water Immersion	AAMA 711 Sec 5.8	7 days immersed in tap water at 73°F (23°C)	Pass, no deleterious effects such as wrinkling, distortion, blistering, expansion, shrinkage or warpage.
Nail Sealability	AAMA 711 Sec 5.2, Modified ASTM D1970 sec 7.9	No Water Penetration at Galvanized Roofing Nail Penetration under 1.2" (30 mm) Head of Water after 24 hours at 40°F (4°C)	Pass, before and after thermal cycling
Cold Temperature Pliability	ASTM C765	No Cracking of Samples Bent Around 1" (25 mm) Mandrel at 0°F (-18°C)	Pass
Tensile Strength	ASTM D412 - Method A Die C	Minimum 143 psi	1264 psi MD 1167 psi CMD
Resistance to Peel	AMMA 711 Annex 2	Shall Not Have Edge curl >1/2" nor corner cut > 1/2 the Width of Flashing	Pass - Level 3-176°F
Softening Point	ASTM D36	Report Value	280F-300F
Pull Off Adhesion Strength	ABAA T0002	Minimum 16 psi	Pass - 29 psi

PRODUCT INFORMATION

Packaging

SikaWall®-85 Flash Seal NP 4:
4" x 75' (10.2 cm x 22.9 m) roll, 9 rolls per carton
SikaWall®-85 Flash Seal NP 6:
6" x 75' (15.24 cm x 22.9 m) roll, 6 rolls per carton
SikaWall®-85 Flash Seal NP 9:
9" x 75' (22.9 cm x 22.9 m) roll, 4 rolls per carton

Shelf Life

Two years when stored in original container or factory sealed packaging as directed.

Storage Conditions

Protect Sika Facades materials during transportation and installation to avoid physical damage. Store in a cool, dry place protected from freezing. Protect from extreme heat, over 90°F (32°C), and direct sunlight.

Coverage

SikaWall®-85 Flash Seal NP 4:
675 Lin ft (205.7 Lin m) per carton
SikaWall®-85 Flash Seal NP 6:
450 Lin ft (137.2 Lin m) per carton
SikaWall®-85 Flash Seal NP 9:
300 Lin ft (91.4 Lin m) per carton

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.

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

SikaWall®-85 Flash Seal NP is approved for use on these acceptable substrates and other surfaces:

1. Wood framing (Note: Verify adhesion before applying to wood that has been treated in any way.)
2. ASTM C1177 sheathings, e.g. eXP™, GlasRoc®, Securock™ and DensGlass™
3. Water-resistant core gypsum sheathing (ASTM

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BUILDING TRUST



- C79/ASTM C1396)
4. Cement-board (ASTM C1325 Type A Exterior)
 5. Masonry
 6. Exposure 1 or exterior plywood sheathing
 7. Exposure 1 OSB
 8. Steel framing
 9. SikaWall®-85 Flash Seal NP
 10. Sika Facades Air / Water-Resistive / Vapor Barriers and Base Coats.

SUBSTRATE PREPARATION

1. Acceptable substrate shall be dry, clean, sound and free of releasing agents, paint, contaminants, residue or other coatings. Verify substrate is flat, free of fins or anything that would hinder the adhesion of the membrane.
2. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the Sika Facades materials.
3. A primer such as 3M Super 77 can be applied to enhance adhesion if difficulty is encountered with tape sticking to the substrate.
4. Wrap openings in accordance with Sika Facades Air/Water-Resistive/Vapor Barrier application guidelines and technical bulletins.

APPLICATION

1. Cut SikaWall®-85 Flash Seal NP roll to desired length with a utility knife or scissors.
2. Peel back sufficient length of release paper immediately before application and center the SikaWall®-85 Flash Seal NP over the area to be sealed.
3. Using a wallpaper roller, extensionhandled countertop roller or weighted hand roller, firmly roll the SikaWall®-85 Flash Seal NP to the area being sealed. As the MasterSeal® AWB 970 NP is applied, pull more of the release film, exposing the adhesive surface, pressing down with a roller and keeping the SikaWall®-85 Flash Seal NP smooth.
4. If blisters occur, they can be slit with a utility knife and the SikaWall®-85 Flash Seal NP pressed flat with a roller. Ensure no voids or holes are present. Repair as necessary.
5. Installed materials should be checked for delamination of edges before final system application. Repair as necessary.
6. Overlap SikaWall®-85 Flash Seal NP a minimum of 2" (50 mm) horizontally and 6" (150 mm) vertically.
7. Ensure SikaWall®-85 Flash Seal NP is coated with Sika Facades Air/Water-resistive/Vapor Barrier after application
8. Install exterior cladding system in accordance with manufacturer's current specifications and details.
NOTE: Provide sufficient slack at expansion joints to allow for movement.

LIMITATIONS

1. Do not apply Sika Facades materials in ambient temperatures below 40°F (4.5°C). Provide supplementary heat during installation and drying

- period (at least 24 hours after installation and until dry) when temperatures less than 40°F (4.5°C) are anticipated.
2. When applying the membrane in cooler temperatures, store material for 24 hours inside at room temperature for better adhesion. Adhesion properties of SikaWall®-85 Flash Seal NP during application in cooler temperatures may also be improved by the use of a heat gun.
3. Do not store rolls on end.
4. Protect from rain and physical damage until installation of exterior cladding system.
5. Do not apply the material to any surfaces not listed as an acceptable substrate/surface, including silicone caulk or other solvent based products.
6. Do not expose material to sunlight for over 180 days.
7. Apply SikaWall®-85 Flash Seal NP only to dry surfaces. Allow surfaces to dry a minimum of 24 hours after precipitation.

Consult Sika Facades Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications.

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.

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



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