

# MasterSeal<sup>®</sup> AWB 970 NP

## Flashing membrane

### PACKAGING

MasterSeal<sup>®</sup> AWB 970 NP 4:  
4" x 75' (10.2 cm x 22.9 m) rolls  
9 rolls per carton

MasterSeal<sup>®</sup> AWB 970 NP 6:  
6" x 75' (15.24 cm x 22.9 m) rolls  
6 rolls per carton

MasterSeal<sup>®</sup> AWB 970 NP 9:  
9" x 75' (22.9 cm x 22.9 m) rolls  
4 rolls per carton

### COVERAGE

MasterSeal<sup>®</sup> AWB 970 NP 4:  
675 Lin ft (205.7 Lin m) per carton

MasterSeal<sup>®</sup> AWB 970 NP 6:  
450 Lin ft (137.2 Lin m) per carton

MasterSeal<sup>®</sup> AWB 970 NP 9:  
300 Lin ft (91.4 Lin m) per carton

### SHELF LIFE

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

### DESCRIPTION

MasterSeal<sup>®</sup> AWB 970 NP is a 20-mil thick, self-adhering, self-sealing, composite membrane of polyester fabric and butyl adhesive. MasterSeal<sup>®</sup> AWB 970 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.

### ADVANTAGES

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Primerless application

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180-day UV exposure

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Remains flexible over time

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Meets AAMA 711-13

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### MasterSeal<sup>®</sup> AWB 970 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<sup>™</sup>, GlasRoc<sup>®</sup>, Securock<sup>™</sup> and DensGlass<sup>™</sup>
3. Water-resistant core gypsum sheathing (ASTM 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. MasterSeal<sup>®</sup> AWB 970 NP
10. Master Builders Solutions Air / Water-Resistive / Vapor Barriers and Master Builders Solutions Wall System's Air / Water-Resistive / Vapor Barriers and Base Coats.

PROPERTY	ASTM TEST METHOD	RESULTS
Peel Adhesion (Glass Mat Sheathing)	ASTM D3330	83.4 lbs/in
Nail Sealability	ASTM D1970	Pass (no water penetration)
Cold Temperature Pliability	ASTM C765	Pass
Tensile Strength	ASTM D1970	Pass
Accelerated aging	ASTM D3330	4.2 lbf/in
Thermal cycling	ASTM D3330	5.3 lbf/in
Resistance to peel	AAMA 711-13	Pass
Softening Point	ASTM D36	280F-300F
Elevated Temperature	AAMA 711	Level 3-176F

#### 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 Master Builders Solutions Construction System 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 Master Builders Solutions Air/Water-Resistive/Vapor Barrier application guidelines and technical bulletin.

#### APPLICATION

1. Cut MasterSeal® AWB 970 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 MasterSeal® AWB 970 NP over the area to be sealed.
3. Using a wallpaper roller, extension-handled countertop roller or weighted hand roller, firmly roll the MasterSeal® AWB 970 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 MasterSeal® AWB 970 NP smooth.
4. If blisters occur, they can be slit with a utility knife and the MasterSeal® AWB 970 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 MasterSeal® AWB 970 NP a minimum of 2" (50 mm) horizontally and 6" (150 mm) vertically.
  7. Ensure MasterSeal AWB 970 NP is coated with Master Builders Solutions 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.**

#### FOR BEST PERFORMANCE

1. Do not apply Master Builders Solutions construction systems materials in ambient temperatures below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) 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 MasterSeal® AWB 970 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 MasterSeal® AWB 970 NP only to dry surfaces. Allow surfaces to dry a minimum of 24 hours after precipitation.

#### SHIPPING AND STORAGE

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

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#### TECHNICAL SUPPORT

Consult the Master Builders Solutions Construction Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Master Builders website, [mbcc.sika.com/en-us](http://mbcc.sika.com/en-us), for additional information about products and systems and for updated literature.

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#### LIMITED WARRANTY NOTICE

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