

MasterSeal® AWB 970 FIB/ MasterSeal® AWB 950 P

Flashing membrane/Water-based primer

PACKAGING

MasterSeal® AWB 970 FIB 4:
4" x 100' (10.2 cm x 30.5 m) rolls
9 rolls per carton

MasterSeal® AWB 970 FIB 9:
9" x 100' (22.9 cm x 30.5 m) rolls
4 rolls per carton

MasterSeal® AWB 950 P:
19-liter (5-gallon) pails,
3.8-liter (1-gallon) bottles
4 bottles per carton

COVERAGE

MasterSeal® AWB 970 FIB 4:
900 Lin ft (274.3 Lin m) per carton
MasterSeal® AWB 970 FIB 9:
400 Lin ft (121.9 Lin m) per carton

MasterSeal® AWB 950 P:
Coverage rates will vary depending
on the texture, porosity of the existing
substrate.

Approximate coverages: ASTM C1177
exterior sheathing: 125–150 ft² per
gallon (11.6 – 13.9 m² per 3.8L). ASTM
C1396/C79 Exterior gypsum sheathing:
160–190 ft² per gallon (14.9–17.7 m² per
3.8L). Wood sheathing & cement board:
180–220 ft² per gallon (16.7–20.4 m²
per 3.8L)

SHELF LIFE

1 year when stored in original container
or factory sealed packaging as directed

STORAGE

Store material in a well ventilated, clean,
dry area where temperatures will not
exceed 32 °C (90 °F)

COLOR

MasterSeal® AWB 950 P is pink during
application, drying to semi-transparent

DESCRIPTION

MasterSeal® AWB 970 FIB is a patented, 30-mil thick, self-adhering, self-sealing, composite membrane of polyester fabric and rubberized asphalt. MasterSeal® AWB 970 FIB is supplied in rolls, on release paper, for easy application. MasterSeal® AWB 950 P is a single component, water-based primer specially formulated for use with MasterSeal® AWB 970 FIB.

USES

Used as an air barrier accessory to connect different air barrier materials or assemblies together to make the air barrier continuous.

1. Flashing at sills, approved sheathing joints, rough openings, and terminations.
2. As an expansion joint seal.
3. To create a seamless transition from MasterSeal® AWB 660/ MasterSeal® AWB 665 and MasterSeal® AWB 660 I onto MasterSeal® AWB 970 FIB.

MasterSeal® AWB 950 P is to be used under MasterSeal® AWB 970 FIB 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 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® AWB 970 FIB (itself)
10. MasterSeal® AWB 660, MasterSeal® AWB 665. and MasterSeal® AWB 660 I

Note: All places where MasterSeal® AWB 970 FIB laps onto itself must be treated with MasterSeal® AWB 950 P or 3M Super 77 spray adhesive.

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. Wrap openings in accordance with Master Builders Solutions Construction System's MasterSeal® AWB Application Guidelines for Joint Treatment and Flashing Rough Openings on Framed Construction or MasterSeal® AWB Application Guidelines for Flashing Rough Openings on Concrete and Masonry technical bulletin.

APPLICATION

MasterSeal® AWB 950 P/MasterSeal® AWB 970 FIB

1. Shake or stir MasterSeal® AWB 950 P until uniform consistency, approximately one minute.
2. Apply MasterSeal® AWB 950 P with a brush or roller at recommended coverage rate according to substrate.
3. Apply MasterSeal® AWB 950 P evenly. Surfaces shall be uniformly coated, free from voids, pinholes or blisters.
4. Protect primed surface from dust to prevent adhesion problems.
5. A second coat of primer may be

PROPERTY	ASTM TEST METHOD	RESULTS
Peel Adhesion, 7 Days (Glass Mat Sheathing)	D903	18 lbs/in width
Elongation at Break	D882 Method A	(Modified) > 100%
Low Temperature Pliability	D146 modified	No cracking -26 oC (-15 oF)

required for porous surfaces or if the initial adhesion is not optimal.

6. Apply MasterSeal® AWB 970 FIB as soon as the MasterSeal® AWB 950 P is no longer wet and the surface is tacky. Additional MasterSeal® AWB 950 P will be required over areas that are no longer tacky.

7. Cut MasterSeal® AWB 970 FIB roll to desired length with a utility knife or scissors.

8. Remove usable size of the release film immediately before application and center the MasterSeal® AWB 970 FIB over the area to be sealed.

9. Using a wallpaper roller, extension-handled countertop roller or weighted hand roller, firmly roll the MasterSeal® AWB 970 FIB to the area being sealed.

As the MasterSeal® AWB 970 FIB is applied, pull more of the release film from the MasterSeal® AWB 970 FIB, exposing the adhesive surface, pressing down on the MasterSeal® AWB 970 FIB with a roller and keeping the MasterSeal® AWB 970 FIB smooth.

10. If blisters occur, they can be slit with a utility knife and the MasterSeal® AWB 970 FIB pressed flat with a roller. Ensure no voids or holes are present. Repair as necessary.

11. Installed materials should be checked for delamination of edges before final system application. Repair as necessary.

12. Overlap MasterSeal® AWB 970 FIB a minimum of 2" (50 mm) horizontally and 6" (150 mm) vertically.

13. Clean tools as soon as possible with warm water and soap. Dried MasterSeal® AWB 950 P is difficult to remove from tools.

14. Install exterior cladding system in accordance with manufacturer's current specifications and details.

LIMITATIONS

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 FIB 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 apply material to sunlight for over 30 days.

7. Apply MasterSeal® AWB 970 FIB only to dry surfaces. Allow surfaces to dry a minimum of 24 hours after precipitation.

TECHNICAL SUPPORT

Consult the Master Builders Solutions Construction Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Master Builders website, www.master-builders-solutions.com, for additional information about products and systems and for updated literature.

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