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Technical Data Guide

# 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 ft<sup>2</sup> (11.6–13.9 m<sup>2</sup>) per  
3.8 L (1-gallon) bottle, 625–750 ft<sup>2</sup>  
(58–69.5 m<sup>2</sup>) per 19 L (5-gallon) pail

Gypsum sheathing:  
160–190 ft<sup>2</sup> (14.9–17.7 m<sup>2</sup>) per 3.8 L  
(1-gallon) bottle, 800–950 ft<sup>2</sup> (74.5–  
88.5 m<sup>2</sup>) per 19 L (5-gallon) pail Exterior  
plywood sheathing & cement-board

(ASTM C1325):  
180–220 ft<sup>2</sup> (16.7–20.4 m<sup>2</sup>) per  
3.8 L (1-gallon) bottle, 900–1100 ft<sup>2</sup>  
(83.5–102 m<sup>2</sup>) per 19 L (5-gallon) pail

## 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 BASF Construction System materials.
3. Wrap openings in accordance with BASF 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 to achieve an average

PROPERTY	RESULTS	ASTM TEST METHOD
<b>Peel Adhesion</b>	10 lbs/in. width	D1000
<b>Elongation at Break</b>	(Modified) > 100%	D882 Method A
<b>Weight per Gallon, lbs</b>	No cracking -26 °C (-15 °F)	D146 modified

coverage rate of 11.6–20.4 m<sup>2</sup> per 3.8 liter (125–220 ft<sup>2</sup> per gallon). Coverage rate will vary 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 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 dry and 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 50 mm (2") horizontally and 150 mm (6") 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 BASF 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 BASF Construction Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Master Builders website, [www.master-builders-solutions.basf.com](http://www.master-builders-solutions.basf.com), for additional information about products and systems and for updated literature.

**WARRANTY**

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. **BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR**

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