



Air and Vapor Barrier 3015

Building Envelope Solutions

Statements of Material Compatibility

Technical Bulletin 3015-0001

February, 2014

Introduction

3M™ Air and Vapor Barrier 3015 features an aggressive, non-staining, high tack acrylic pressure sensitive adhesive that does not require the use of a primer on most construction surfaces.

The membrane is compatible with many building sealants: There is no adverse reaction with synthetic rubber, butyl, polyurethane, silicone and silane terminated hybrid sealants.

3M air and vapor barrier 3015 has excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, plywood, extruded polystyrene and most exterior gypsum sheathing without the use of primer.

Limitations

3M air and vapor barrier 3015 is not compatible with flexible vinyl membranes such as PVC roofing membrane. However, rigid PVC pipe or window trim are acceptable substrates.

3M air and vapor barrier 3015 bonds well to the smooth side of OSB panels but a primer may be necessary if the membrane is being applied to the waffle side of the board.

3M air and vapor barrier 3015 bonds well with no primers or additional adhesives to Georgia Pacific DensGlass® Sheathing, USG Securock® Sheathing and National Gypsum Gold Bond® eXP® Extended Exposure. A primer may be necessary when bonding to CertainTeed GlasRoc® Sheathing.

3M air and vapor barrier 3015 will discolor when placed in contact with any self-adhered membrane with a PE (polyethylene) backing and bitumen adhesive. Accelerated aging testing indicates the bond between the products is not adversely affected by the discoloration. No discoloration occurs between the foil surface of a foil backed bitumen based membrane and 3M 3015, although there is discoloration at the end of the overlap where the bitumen adhesive is directly exposed to 3M 3015 membrane.

3M air and vapor barrier 3015 has been shown to bond well to certain types of EPDM or TPO membranes. See Technical Bulletin 3015-0002, Adhesion to Roofing Membranes, for more information. Samples should be submitted for evaluation for specific projects.

Primer

If required, an installer has several options for primers that are compatible with 3M™ Self-Adhered Air and Vapor Barrier Membrane 3015:

3M™ Scotch-Weld™ Holdfast 70 is packaged in pressurized cylinders and is very convenient when large surface areas need to be covered.

3M™ Hi-Strength 90 or 3M™ Hi-Strength 94 ET Spray Adhesive are packaged in aerosol cans and are convenient for small areas.

3M™ Fastbond™ Contact Adhesive 30NF is packaged in pressurized cylinders, cans or pails for use when a water-based primer is desired.

For additional information, please contact 1-800-362-3550.

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Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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Printed in U.S.A.

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