

# Air and Vapor Barrier 3015 Building Envelope Solutions Statements of Material Compatibility

# Technical Bulletin 3015-0001

February, 2014

## Introduction

3M<sup>TM</sup> 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<sup>TM</sup> Self-Adhered Air and Vapor Barrier Membrane 3015:

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

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

3M<sup>TM</sup> Fastbond<sup>TM</sup> 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.

# 3M<sup>™</sup> Air and Vapor Barrier 3015 Building Envelope Solutions Statements of Material Compatibility

#### **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.

## **Product Use**

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

# Warranty, Limited Remedy, and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

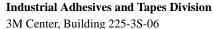
## **Limitation of Liability**

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



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





St. Paul, MN 55144-1000 800-362-3550 • 877-369-2923 (Fax) www.3M.com/industrial



Recycled Paper 40% pre-consumer 10% post-consumer 3M, Scotch-Weld and Fastbond are trademarks of 3M Company.

DensGlass is a registered trademark of Georgia Pacific.

Securock is a registered trademark of USG. Gold Bond and eXP are registered trademarks of National Gypsum.

GlasRoc is a registered trademark of CertainTeed.
Printed in U.S.A.

©3M 2014 (2/14)