DUPONT™ TYVEK® FLUID APPLIED FLASHING & JOINT COMPOUND
A DURABLE, VAPOR PERMEABLE TROWELABLE FLUID APPLIED FLASHING AND JOINT COMPOUND FOR USE ON MOST COMMERCIAL WALL SUBSTRATES

DESCRIPTION
Tyvek® Fluid Applied Flashing and Joint Compound is a full-bodied trowel applied, vapor permeable elastomeric flashing material. Tyvek® Fluid Applied Flashing and Joint Compound is used to flash rough openings for windows and doors; to fill seams, cracks, and holes in substrate; to seal around penetrations; and to treat joints and transitions between building components.

TYPICAL PROPERTIES
Please contact your local DuPont™ Tyvek® Specialist before writing specifications around this product. Product properties are as follows:

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E2178</td>
<td>Air Penetration Resistance</td>
<td>cfm/ft² @ 75 Pa (1.57 psf)</td>
<td>0.0002</td>
</tr>
<tr>
<td>Gurley Hill</td>
<td>Air Penetration Resistance</td>
<td>sec/100 cc</td>
<td>&gt;10,000</td>
</tr>
<tr>
<td>ASTM E2357</td>
<td>Wall Assembly Air Penetration Resistance</td>
<td>cfm/ft² @ 75 Pa</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>ASTM E283</td>
<td>Wall Assembly Air Penetration Resistance</td>
<td>cfm/ft² @ 75 Pa</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>ASTM E1677</td>
<td>Wall Assembly Air &amp; Water Leakage</td>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>AATCC 127</td>
<td>Water Penetration Resistance</td>
<td>cm</td>
<td>&gt;1000</td>
</tr>
<tr>
<td>ASTM E331</td>
<td>Wall Assembly Water Penetration Resistance</td>
<td>Tested to 15 psf</td>
<td>No leakage</td>
</tr>
<tr>
<td>ASTM E96-00</td>
<td>Water Penetration Resistance</td>
<td>cm</td>
<td>&gt;1000</td>
</tr>
<tr>
<td>ASTM E1305</td>
<td>Low Temperature Crack Bridging</td>
<td></td>
<td>PASS</td>
</tr>
<tr>
<td>ASTM D4541</td>
<td>Adhesion Strength - Concrete</td>
<td>psi</td>
<td>NA</td>
</tr>
<tr>
<td>ASTM D4541</td>
<td>Adhesion Strength - Exterior Gypsum</td>
<td>psi</td>
<td>NA</td>
</tr>
<tr>
<td>ASTM D903</td>
<td>Peel Strength</td>
<td>lbf/in (aluminum)</td>
<td>19 Cohesive failure</td>
</tr>
<tr>
<td>ASTM C794</td>
<td>Adhesion-In-Peel</td>
<td>lbf/in (mortar)</td>
<td>PASS</td>
</tr>
<tr>
<td>ASTM D412</td>
<td>Tensile</td>
<td>psi</td>
<td>245</td>
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<tr>
<td>ASTM D412</td>
<td>Elongation at break</td>
<td>%</td>
<td>400</td>
</tr>
<tr>
<td>ASTM D412</td>
<td>Recovery (held at 300% elongation)</td>
<td>%</td>
<td>&gt;99</td>
</tr>
<tr>
<td>ASTM E2240</td>
<td>Hardness</td>
<td>Shore A</td>
<td>69</td>
</tr>
<tr>
<td>ASTM C1250</td>
<td>VOC</td>
<td>% (by wt.)</td>
<td>&lt;2</td>
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</table>

Test results shown represent averages. Individual results may vary either above or below averages due to normal manufacturing variations, while continuing to meet product specifications.
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APPLICATION/USE INSTRUCTIONS
Please refer to DuPont Installation Guidelines for complete instructions.

Use Conditions
Installation temperature range 25°F ambient (-4°C) to a maximum surface temperature 140°F (60°C). Do not install once ambient temperature exceeds 95°F (35°C), unless surface is shaded. Stirring not necessary. If separation should occur, you can gently fold material until mixture is uniform. Avoid any type of mixing that will introduce air into the product.

Safety Precautions for Use
Avoid contact with eyes and skin. Protective eye wear and gloves are recommended. CAUTION: Use only as directed. First Aid: Eye Contact; Wash thoroughly with water. If irritation persists, contact a physician. Skin Contact; Rinse thoroughly with citrus-based cleaners. KEEP OUT OF REACH OF CHILDREN.

Preparation
For membrane drainage wall systems, ensure that the drainage path is not blocked or disrupted, which can result in excess moisture build-up in the wall cavity. Remove all surface dust, dirt and loose mortar. Surface must be free from frost, grease, or other contaminants and must be reasonably smooth. Mortar joints in concrete block and voids in poured concrete shall be filled flush and smooth and allowed to cure for a minimum of 24 hours. Product can be installed on damp surfaces and must be reasonably smooth. Mortar joints in concrete block and voids in poured concrete shall be filled flush and smooth and allowed to cure for a minimum of 24 hours. Product can be installed on damp surfaces provided no moisture is transferred to the skin when the substrate is touched. This flexibility reduces substrate preparation and protection requirements.

Joint Treatment Application
Use Tyvek® Fluid Applied Flashing & Joint Compound to fill cracks and voids up to 1/4”. For cracks between 1/4” and 1/2”, cover first with mesh tape. Apply a bead, then trowel smooth. Seam coverage should be a minimum of 2” wide and 15-20 mils thick. Inspect for gaps or pinholes and repair as necessary.

Flashing Application
Use Tyvek® Fluid Applied Flashing & Joint Compound completely around the window at 25 mils thick. Extend a minimum of 2” onto front surface. Inspect for gaps or pinholes and repair as necessary.

Curing
Tyvek® Fluid Applied Flashing and Joint Compound is tack free or dry to touch within 2 hours at 70°F and 50% relative humidity. Curing occurs within 24 hours at 70°F and 50% relative humidity. Facades may be applied after 24 hours. Tack free time and compete cure will vary with temperature, humidity and substrate conditions.

Clean-Up
Clean tools with mineral spirits, citrus-based cleaners, or gel-based paint stripper.

TESTING/CODE COMPLIANCE
MOISTURE PROTECTION – WEATHER-RESISTANT BARRIERS
The 2012 International Building Code (IBC, Section 1403.2 Weather Protection) requires that exterior walls shall provide the building with a weather-resistant exterior wall envelope. This shall include flashing, as described in Section 1405.4. Tyvek® Fluid Applied System products have been tested and meet weather-resistant barrier codes and standards requirements. The following test methodologies were used:

- ASTM E96-00, Standard Test Methods for Water Vapor Transmission of Materials; Water resistant barriers are typically vapor permeable, which is generally desirable because it allows for drying of incidental moisture intrusion into the wall assembly
- AATCC 127, Hydrostatic Head Test for WRB Materials, measuring pressure to failure or time of failure at a given pressure
- ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Pressure

AIR LEAKAGE CONTROL — AIR BARRIERS
ASHRAE 90.1: 2010 (American Society of Heating, Refrigerating and Air-Conditioning Engineers) requires that the entire building envelope shall be designed and constructed with a continuous air barrier. This is a mandatory provision for the building envelope. IECC 2009/2012 (International Energy Conservation Code) for commercial buildings also requires a continuous air barrier. These codes are being adopted in many states across the United States. Tyvek® Fluid Applied System products have been tested and meet air barrier codes and standards requirements. The following test methodologies were used:

- ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
- ASTM E2357-Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
- ASTM E1677, Standard Specification for Air Barrier (AB) Material or System for Low-Rise Framed Building Walls
- ASTM E779-10 Standard Test Method for Determining Air Leakage Rate by Fan Pressurization (whole building)

Other

Tyvek® Fluid Applied System products have been evaluated according to Air Barrier Association of America (ABAA) protocol and are listed at the ABAA website under “ABAA evaluated Air Barrier Assemblies”.

NOTICE
Tyvek® Fluid Applied System products should be covered with the facade within 9 months to limit UV exposure. Follow facade manufacturer’s installation and maintenance requirements in order to maintain water holdout. Depending on job site conditions, it is possible that stains may appear, but will not alter performance of the fluid applied product.

MATERIAL STORAGE/DISPOSAL
Tyvek® Fluid Applied products should be stored in a clean, dry environment, 50°- 80°F (10°- 27°C). Storage of the products in temperatures outside that range for short periods of time is acceptable. Please refer to the Tyvek® Fluid Applied FAQs at www.fluidapplied.tyvek.com

SHELF LIFE AND STORAGE
The shelf life is 12 months for an unopened container from the date of manufacture. Reference the “Use By” date printed on the container. Store opened containers with a plastic protective liner. Before reusing a previously opened container, first remove any cured material that may have formed at the top.

PACKAGING
Tyvek® Fluid Applied Flashing and Joint Compound is available in 10.3 oz. or 28 oz. disposable cartridges and 3.5 gallon pails.

WARRANTY
Backed by a limited product warranty, see www.weatherization.tyvek.com.

LIMITATIONS
Tyvek® Fluid Applied Flashing and Joint Compound should not be used for below grade applications or in applications in which it will be permanently exposed. Asphalt-based adhesives are not recommended for use with this product.

For more information visit us at www.fluidapplied.tyvek.com or call 1-800-44-Tyvek.