**PRODUCT INFORMATION—FEATURES/BENEFITS**

**Air and Water Barrier Performance**
- Offers an ideal combination of air and water holdout with vapor permeability.
- Air Barrier Association of America evaluated to exceed ABAA, ASHRAE 90.1 and IECC air leakage requirements when tested in accordance with ASTM E2357.

**Ease of Installation**
- Single component, one-coat application.
- Can be sprayed or pressure rolled for fast and easy application.
- Can be installed at temperatures as low as 25°F (-4°C).
- Exhibits extremely low shrinkage during curing, minimizing the risk of cracking and pin-holing. Helps improve installer quality control from wet to cured products helping to reduce coats to a one-coat application.
- Offers 2 to 3 times the coverage of competitive products. Approximately 55 to 65 sq. ft. / gallon in one coat.

**High Performance Durability**
- The formulation of DuPont™ Tyvek® Fluid Applied is not water soluble and is essentially unaffected by liquid water even before curing. Can be installed on damp surfaces when no moisture is transferred to the skin when the substrate is touched.
- The cured membrane exhibits exceptional extension and recovery properties (99% recovery per ASTM D412). When stretched it acts like a rubber band and will retract as a building moves allowing the membrane to move with the building.
- Easily withstands high wind loads.
- Withstands nine months of UV exposure.

**Sustainable Solutions**
- DuPont™ Tyvek® Fluid Applied products may contribute toward LEED® points in the areas of Energy and Atmosphere (EA): Optimizing the Building Envelope and Indoor Environmental Air Quality (EQ): Construction IAQ Management Plan and Low Emitting Materials. In addition, the use of a continuous air barrier is a pre-requisite for LEED applications requiring compliance with ASHRAE 90.1-2010.
- By helping to effectively seal the building envelope and reducing air leakage, the DuPont™ Tyvek® Fluid Applied WB helps reduce the amount of energy required for heating and cooling.
- Low VOC.

**Complete System**
- Part of a complete, integrated fluid applied weather barrier system, all backed by a limited warranty from DuPont. For best results, use with DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound and DuPont™ Sealant for Fluid Allied System.

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**DESCRIPTION**
DuPont™ Tyvek® Fluid Applied WB is based on a unique formulation using silyl-terminated polyether polymer technology. It offers low shrinkage during curing, superior elasticity and recovery and can be easily applied in one coat.

**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 Description</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>
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<tr>
<td>Gurley Hill (TAPPI T-460)</td>
<td>Air Penetration Resistance</td>
<td>sec/100 cc</td>
<td>&gt;10,000</td>
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<tr>
<td>ASTM E2357</td>
<td>Wall Assembly Air Penetration Resistance</td>
<td>cfm/ft² @ 75 Pa</td>
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<td>ASTM E283</td>
<td>Wall Assembly Air Penetration Resistance</td>
<td>cfm/ft² @ 75 Pa</td>
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<td>ASTM E1677</td>
<td>Wall Assembly Air &amp; Water Leakage</td>
<td>Type</td>
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<td>ATCC 127</td>
<td>Water Penetration Resistance</td>
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<td>ASTM E331</td>
<td>Wall Assembly Water Penetration Resistance</td>
<td>Tested to 15 psf</td>
<td>No leakage</td>
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<td>ASTM E96-00</td>
<td>Water Vapor Transmission</td>
<td>Method B perms</td>
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<td>ASTM 1305</td>
<td>Low Temperature Crack Bridging</td>
<td>No cracking</td>
<td>PASS</td>
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<tr>
<td>ASTM D4541</td>
<td>Adhesion Strength - Concrete</td>
<td>psi</td>
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<tr>
<td>ASTM D4541</td>
<td>Adhesion Strength - Exterior Gypsum (delaminates fiberglass topsheet)</td>
<td>psi</td>
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<tr>
<td>ASTM D903</td>
<td>Peel Strength</td>
<td>lbf/in (aluminum)</td>
<td>13.3 (Cohesive failure)</td>
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<tr>
<td>ASTM C794</td>
<td>Adhesion-in-Peel</td>
<td>lbf/in (mortar)</td>
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<td>ASTM D412</td>
<td>Tensile</td>
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<tr>
<td>ASTM D412</td>
<td>Elasticity</td>
<td>%</td>
<td>400</td>
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<td>ASTM D412</td>
<td>Recovery</td>
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<td>99</td>
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<td>ASTM D2240</td>
<td>Hardness</td>
<td>Shore A</td>
<td>71</td>
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<td>Accelerated weathering (G155)</td>
<td>Ultraviolet Light Exposure (UV)</td>
<td>months</td>
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<td>ASTM 1970</td>
<td>Nail Sealability</td>
<td>No leakage</td>
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<td>NFPA 285</td>
<td>Flame Propagation, Multiple Assemblies</td>
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<td>ASTM E84</td>
<td>Surface Burning Characteristics</td>
<td>Class Flame Spread Index</td>
<td>Class A 25</td>
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<td>Smoke Developed Index</td>
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<td>ASTM C1250</td>
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<td>% (by wt.) g/L</td>
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**APPLICATION/USE INSTRUCTIONS**

**Use Conditions**
Use when ambient temperatures are above 25°F (-4°C). Do not thin. Stirring not necessary.

**Active Ingredients**
Calcium carbonate

**Safety Precautions for Use**
Vapor harmful if using spray application. Use in a well ventilated area. Use a NIOSH approved respirator. If vapors are inhaled, immediately remove from exposure and contact a physician. Avoid contact with eyes and skin. Protective eye wear and gloves are recommended.

CAUTION: Use only as directed. Avoid contact with eyes. 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**
Remove all surface dust, dirt and loose mortar. Surface must be clean, free from frost, grease, dirt, 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 provided no moisture is transferred to the skin when the substrate is touched. This flexibility reduces substrate preparation and protection requirements.

**Application**
Complete all joint fill and flashing beforehand. Tyvek® Fluid Applied WB may be sprayed, rolled or brush applied. Application using a pressure roller, such as a Graco Pressure Roller, is preferred. Apply in a single application at 25 mils thick, spot check with a wet mil gauge. Inspect surface for voids and pinholes and repair as necessary.

**Curing**
DuPont™ Tyvek® Fluid Applied Weather Barrier 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. Facade may be applied after 24 hours. Tack free time and complete cure will vary with temperature, humidity and substrate conditions.

**Clean-Up**
Clean tools with mineral spirits, citrus-based cleaners, or gel-based paint stripper. Material should not be left in the pump, hose, gun, or pressure roller. After applying, flush system with a citrus-based cleaner, or mineral spirits until the system is clean. Avoid using water for cleanup. Low pressure portions of the system should be taken apart and cleaned by hand. Before the next usage, flush any remaining solvent out of the system before applying Fluid Applied WB to the wall. Be sure that system is fully clean of any product before introducing a different product. If system is not fully clean, products can react and cause products to cure in the system.

**Equipment**
Application using a pressure roller, such as the Graco X70 Xtreme® Sprayer with a 0.017” – 0.025” tip. All filters should be removed.

Please refer to DuPont™ Tyvek® Fluid Applied WB Installation Guidelines for complete instructions.

**APPROVALS / SPECIFICATIONS**

**MOISTURE PROTECTION – WEATHER-RESISTANT BARRIERS**
The 2009/2012 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.

DuPont™ Tyvek® Fluid Applied System products have been tested and meet weather-resistant barrier codes and standards requirements. The following test methodologies were used:

- ASTM E96-2010, 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.

**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. DuPont™ Tyvek® Fluid Applied System products have been tested and meet air barrier codes and standards requirements. The following test methodologies were used:


**NOTICE**
DuPont™ Tyvek® Fluid Applied WB 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.

**MATERIAL STORAGE/DISPOSAL:**
Storage and Disposal: DuPont™ 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 DuPont™ Tyvek® Fluid Applied FAQ’s.

**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.

**PACKAGING**
DuPont™ Tyvek® Fluid Applied WB is available in 5 gallon pails and 50 gallon drums.

**WARRANTY**
Backed by a limited product warranty, see DuPont™ Tyvek® Fluid Applied WB website under “ABAA evaluated Air Barrier Assemblies”, http://www.airbarrier.org/materials/assemblies_e.php

**LIMITATIONS**
DuPont™ Tyvek® Fluid Applied WB 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.