

ADHESION PERFORMANCE REFERENCE SHEET

DuPont™ Tyvek® Fluid Applied Commercial Weatherization Systems Products

The proper adhesion between various weatherization materials is often critical in protecting the building envelope from unwanted air and water infiltration. The necessary level of adhesion is dependent on the joint design and specific performance requirements of a project. The long term performance of the sealant joint will further depend on the proper joint design and sealant installation to accommodate expected joint movement.

The level of adhesion will vary depending on the chemistry of the specific sealant. The sealant adhesion levels listed below are based on DuPont test protocols and in-house testing.

The adhesion testing followed two protocols depending on the type of substrate: for sealants to fluid-applied materials, ASTM C794-10 was used (as specified in AAMA 714-15) and for sealants to self-adhered flashing membranes, ASTM D3330-10 was used (as specified in AAMA 711-13).

The tables below show adhesion levels of the listed **SEALANTS** when applied **OVER** DuPont™ Tyvek® Fluid Applied products & DuPont™ Self-Adhered Flashing topsheets.

Building Sealants	DuPont™ Tyvek® Fluid Applied
Silicone Sealants	★★★
Polyurethane Sealants	★★★★
Hybrid Sealants	★★★
Synthetic Rubber & Butyls	★★★
Acrylic Sealants	★

Building Sealants	DuPont™ Self-Adhered Flashing
Silicone Sealants	★★★
Polyurethane Sealants	★★★
Hybrid Sealants	★★★
Synthetic Rubber & Butyls	★★★
Acrylic Sealants	★★

The tables below show adhesion levels of DuPont™ Tyvek® Fluid Applied products when applied **OVER** the listed sealants, flashings, self-adhered membranes and other general construction materials.

Sealants, Flashings, and SA Membranes	DuPont™ Tyvek® Fluid Applied
Self-Adhered Membranes with HDPE Topsheets	★★★
EPDM Membrane	★★★
PVC with Elvaloy® Membrane	★★★★
Precured Silicone Membrane	★★★
Silicone Sealants	★★★★
Polyurethane Sealants	★★★★
Hybrid Sealants	★★★★
Acrylic Sealants	★★★★
Polyurethane Window & Door Foam (cut surface)	★★

General Construction Materials	DuPont™ Tyvek® Fluid Applied
CMU & Concrete	★★★
Glass Faced Gypsum Sheathing (facer failure)	★★★
Steel and Aluminum	★★★★
Vinyl	★★★
Repair Mortar & Green Concrete	★★★★
Standard & Fire Treated Wood Lumber	★★★★
Wood Exterior Sheathing (plywood, OSB)	★★★★
Polystyrene Insulation Board (board substrate failure)	★
Aluminum Faced Polyiso Board (facer failure)	★

- ★ = Low (< 1.5 pli. Generally only recommended for gasketed sealing)
- ★★ = Moderate (1.5 – 5 pli)
- ★★★ = High (5 – 10 pli)
- ★★★★ = Very High (> 10 pli)



ADHESION PERFORMANCE REFERENCE SHEET

For project specific questions and other sealants that may be compatible with DuPont™ Tyvek® Weatherization Systems products, please contact your local DuPont™ Tyvek® Specialist.

**For more information on DuPont™ Tyvek®
Weatherization Systems,
please call 1-800-44-TYVEK or
visit www.weatherization.tyvek.com**

Disclaimer

The sealant adherence information contained in this table is provided by DuPont as a general guide as to the performance of certain types of sealants with DuPont™ Tyvek® Weather Barriers. Ultimately it is the user's responsibility to determine the proper construction materials needed. Appropriate field testing by the user is recommended to determine that chosen products are effective and provide satisfactory performance for the intended use. Please refer to the sealant manufacture for product specific information for their sealant. DuPont assumes no obligation or liability whatsoever in connection with the use of this information.

Copyright © 2015 DuPont. The DuPont Oval, DuPont™, Elvaloy® and Tyvek® are trademarks or registered trademarks of DuPont or its affiliates. All rights reserved.

K-27283-1 6/15