

# CHEMICAL COMPATIBILITY OF REPRESENTATIVE BUILDING SEALANTS

## DuPont™ Tyvek® Commercial Weatherization Systems Products

Commercial construction professionals will often question whether a sealant can come in contact with DuPont™ Tyvek® Weatherization Systems products, including building wraps, fluid applied membranes and self-adhered flashing. Building sealants can play an essential role in protecting the building envelope from air and water infiltration. The chemical compatibility of sealants and weatherization products is important to ensure the effective long term performance and durability of a wall assembly. When creating a sealant joint, both the chemical compatibility and the level of adhesive bonding between the sealant and the DuPont™ Tyvek® Weatherization System products must be considered in order to achieve the desired air and water seal.

**In general, most sealants used in commercial construction are chemically compatible with DuPont™ Tyvek® air and water barrier membranes and DuPont™ Flashing products.**

The tables below list representative examples of sealants that are chemically compatible with DuPont™ Tyvek® air and water barriers and DuPont flashing products, based on internal DuPont testing. Additional sealants may be suitable but were not tested by DuPont<sup>1</sup>. It is recommended that field testing be conducted to determine the acceptability of a specific sealant for the intended use in the particular wall assembly design.

**The sealant products listed in the table below were determined to have acceptable chemical compatibility<sup>1</sup> with DuPont™ Tyvek® Commercial Building Wraps and DuPont™ Self-Adhered Flashing products:**

Silicone Sealants	Polyurethane Sealants	Hybrid Sealants	Synthetic Rubber & Butyl	Acrylics
Dow Corning® 790	OSI VOC Quad® Advanced Formula	DuPont™ Sealant for Tyvek® Fluid Applied System <sup>2</sup>	Bostik Chem-Calk® 300	DuPont™ Residential Sealant
Dow Corning® 795	Bostik Chem-Calk® 900	Tower Tech 3	Tremco® Butyl Sealant	DAP® DynaFlex 230™
Dow Corning® 732	Permathane® SM7108	Bostik Chem-Calk® 2000	Sashco Lexel®	OSI® Pro-Series® PRO-STIK™
Dow Corning® 756	Sikaflex® 1a	Bostik PRO-MS50™	OSI® Pro-Series® Quad®	Henry® AirBloc® 31 MR
Dow Corning® 758	Sonolastic® NP1™	Sikaflex® 721 UV	Tremco® 830	
Dow Corning® 799	Tremco® Dymonic®	Sikaflex® 511		
Dow Corning® 1199	Tremco® Vulkem® 116	BASF Sonolastic®150MS		
GE SCS2000 SilPruf®		3M 5200		
Tremco® Spectrem 1		Prosoco R-Guard® Cat-5®		
Tremco® Spectrem 2				

## CHEMICAL COMPATIBILITY OF REPRESENTATIVE BUILDING SEALANTS

### DuPont™ Tyvek® Commercial Weatherization Systems Products

The sealant products listed in the table below were determined to have acceptable chemical compatibility<sup>1</sup> with DuPont™ Tyvek® Fluid Applied System products:

Polyurethane Sealants	Silicone Sealants	Hybrid Sealants
Permathane® SM7108	Dow Corning® 790	DuPont™ Sealant for Tyvek® Fluid Applied System
Sonolastic® NP1™	Dow Corning® 795	C.R. Laurence CRL M66
Tremco® Dymonic®	Pecora 864	BASF Sonolastic®150MS
	Pecora 895	
	Tremco® Spectrem 1	
	Tremco® Spectrem 2	

<sup>1</sup>Testing was conducted by DuPont Building Innovations on products available in the market at the time, between 2004-2014, for DuPont™ Tyvek® Commercial Building Wraps and DuPont™ Self-Adhered Flashing products. Testing was conducted by DuPont Building Innovations on products available in the market at the time, between 2010-2014 for DuPont™ Tyvek® Fluid Applied Systems products. If you have additional questions about the chemical compatibility of DuPont™ Weatherization products please contact your local DuPont™ Tyvek® Specialist.

<sup>2</sup>All DuPont™ Tyvek® Fluid Applied system products are chemically compatible with DuPont™ Tyvek® CommercialWrap®.

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.construction.tyvek.com](http://www.construction.tyvek.com)**

#### Disclaimer

The sealant compatibility information contained in this table is provided by DuPont as a general guide as to the compatibility of these sealants with DuPont™ Tyvek® Weather Barriers. This information is based on DuPont internal testing conducted on the dates indicated above. Please note that the composition of the sealants tested may have changed since the time DuPont conducted its tests. Ultimately it is the user's responsibility to determine the proper construction materials needed. Appropriate field testing by the user is recommended to assure that the chosen sealant is effective and provides 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.

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