

Tech Hotline

No. 0511-BSc

StoGuard® Compatibility with Air Barrier Accessory Materials

StoGuard, a liquid applied primary air barrier material in wall assemblies, may come in contact with air barrier accessory materials such as wet sealant, pre-cured silicone sealant tapes, SAF (self-adhered flashing) tapes, roof membranes, spray foams, or other connecting air barrier components, to provide continuity of the building envelope air barrier assembly.

When different air barrier materials come in contact with one another it is important to verify compatibility, especially if they are from different manufacturers. Table 1 is a list of air barrier accessory materials with adhesion compatibility to StoGuard based on Sto Corp. testing or experience. In general wet sealants, pre-cured silicone sealant tapes, and SAF (self-adhered flashing) membrane tapes are capable of adhering to StoGuard. Wet sealant and SAF membrane tapes sometimes require primers for best adhesion. Water-based primers are generally compatible with StoGuard. Solvent-based primers have been found to be compatible when the solvent “flashes-off” immediately. The air barrier accessory material manufacturer should always be consulted for recommendations and guidance on use of their materials. Field tests should also be performed to verify compatibility under conditions of use in the field.

Table1. Air barrier accessory materials with adhesion compatibility to: Sto Gold Coat®, Sto EmeraldCoat®, Sto VaporSeal™

Air Barrier Accessory Material ^{1,2}	Manufacturer	URL
Wet Sealant or Flashing		
StoGuard® RapidSeal™	Sto Corp.	www.stocorp.com
Dow 790, 791, 795	Dow Corning®	www.dowcorning.com
Wet-Flash PM 7000	Building Envelope Innovations	www.wet-flash.com
Pre-cured Silicone Sealant Tapes		
Dow Corning® 123	Dow Corning®	www.dowcorning.com
SAF Membrane Tapes (adhesive)		
StoGuard® Tape (rubberized asphalt)	Sto Corp.	www.stocorp.com
Protecto Wrap EIFS/Stucco Tape (rubberized asphalt)	Protecto Wrap	www.protectowrap.com
Protecto Flex® Tape (rubberized asphalt)	Protecto Wrap	www.protectowrap.com
Grace Vycor® (rubberized asphalt)	Grace Construction Products	www.na.graceconstruction.com
Grace Perm-A-Barrier® (rubberized asphalt)	Grace Construction Products	www.na.graceconstruction.com
Illbruck VB Stucco Tape (butyl)	RPM, Inc.	www.tremco-illbruck.com
TeXtroflash Flashing™ (rubberized)	Hohmann & Barnard, Inc.	www.h-b.com
York Multi-Flash™ (non-asphaltic rubberized)	York® Manufacturing	www.yorkmfg.com
Spray Foams		
Sto TurboStick™	Sto Corp.	www.stocorp.com
Dow Great Stuff™ Window and Door	The Dow Chemical Company	www.greatstuff.dow.com
Dow Great Stuff™ Gaps and Cracks	The Dow Chemical Company	www.greatstuff.dow.com
Zerodraft Foam Sealant	Zerodraft	www.zerodraft.com
Zerodraft Insulating Air Sealant	Zerodraft	www.zerodraft.com

1. The absence of materials from this list does not necessarily mean they are not compatible, only that they have not been evaluated by Sto.

2. For additional information on accessory materials and their use at transition details refer to Sto Tech Hotline No. TH 0211-BSc

IMPORTANT! No representation is made about durability, suitability for intended use, or ultimate performance characteristics of materials not furnished by Sto. Always check with the manufacturer to determine proper use and limitations of their products to be sure of desired results. Due to the variability of job site or field conditions, always conduct field compatibility tests under conditions of use in the field. Lab tests cannot always be relied upon as an absolute predictor of performance in the field or of chemical interactions that may result when certain products come in contact with one another. Be especially careful when using SAF membrane tapes in contact with or in proximity to wet sealant, as the sealant may adversely affect the tape adhesive. Refer to manufacturer's literature for appropriate field tests, chemical information, cautions and limitations.