

Technical Bulletin SSG 8.2

TremGlaze[®] S500 Silicone Sealant Adhesion and Compatibility with Grace Vycor Plus

The purpose of this bulletin is to confirm acceptable application methods for TremGlaze S500 neutral cure silicone sealant when used in direct contact with Grace Vycor Plus self-adhering flashing.

It is recommended by recognized industry standards AAMA 711 Voluntary Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products and ASTM E2112 Standard Practice for Installation of Exterior Windows, Doors and Skylights that compatibility of dissimilar products intended for use in direct contact (including sealants and flashing) be confirmed prior to use.

Continuity of the Weather Barrier System:

The air and water seal continuity of the building envelope has become a recognized requirement to help assure the hygrothermal performance of a building. The critical interface at a transitional area, where it is essential for dissimilar building components to meet and seal, has been identified as an area where the long-term adhesion and compatibility must by design perform for the life of the building.

To address this issue Tremco has performed adhesion and compatibility testing using accelerated weathering and elevated temperature conditioning to verify and confirm the acceptable use of TremGlaze S500 silicone sealant with Grace Vycor Plus self-adhering flashing. Adhesion and compatibility of the TremGlaze S500 silicone was performed on what would typically be the exposed or facing side of the Grace Vycor Plus. Contact of S500 silicone with the adhesive side of the Grace Vycor Plus, while less typical in standard construction practices, has also been tested to confirm compatibility. Incompatibility can occur when the adhesive side of a self-adhered flashing is placed in direct contact with a wet sealant, which can result in failure from the softening and liquification of the flashing adhesive. Compatibility of TremGlaze S500 sealant with the adhesive side of the flashing was confirmed under recognized test exposure conditions and service temperature classifications for self-adhered flashings including Level 1 for exposures up to 122 °F (50 °C), and Level 2 for exposures up to 149 °F (65 °C).

Application of TremGlaze S500 to the Facing Surface of the Grace Vycor Plus:

APPROVED: The adhesion and compatibility of TremGlaze S500 is excellent on the facing of Vycor Plus. Prior to application the surface of the Vycor Plus must be clean and dry. Dry wipe the surface prior to sealant application to remove dust or contaminants. No primer is required.

Application of Grace Vycor Plus to TremGlaze S500 (Vycor Plus applied to wet or cured sealant):

APPROVED: The TremGlaze S500 is fully compatible with the adhesive side of Grace Vycor Plus.

Please contact Tremco Technical Service at 866-209-2404 with any questions regarding this bulletin.