
Technical Service Bulletin No. S-05-04

Structural Glazing Sealants and Gaskets

COMPATIBILITY AND ADHESION IN GLAZING SYSTEMS

The adhesion and compatibility of a sealant with the other components within a glazing pocket are critical to the long-term performance of the glazing system. Tremco markets a range of silicone sealants, glazing gaskets and other glazing components (edge & setting blocks), specifically formulated to be fully compatible for use in these types of applications. Silicone sealants including Spectrem®2, Proglaze®SSG, and Proglaze®II are specifically suited for this application. The gaskets and other components include silicone rubber extrusions, SCR silicone compatible rubber extrusions, and our SGT-900 and SGT-2000 Series Structural Glazing Tapes to name a few.

The issue of compatibility is most critical in structural silicone glazing. Structural glazing applications are governed by industry and manufacturing specific guidelines and limitations. These guidelines dictate that gaskets or tapes in direct contact with the structural silicone bead be fully compatible for continuous contact with the silicone, and impart no detrimental effect to the physical properties of the silicone over time. Tremco Silicone extrusions, Silicone Compatible Rubber extrusions, and the SGT-900 & SGT-2000 Series Tapes are specifically developed to be utilized as a compatible spacer for these structural silicone glazing systems. Use of these materials should be coordinated through your Tremco Sales Representative and Tremco Technical Services to ensure their proper specification and use.

When components other than Tremco are incorporated in a structurally glazed system that is using a Tremco structural silicone, compatibility testing must be performed on that accessory. Tremco laboratories will perform this testing and provide documentation to the customer regarding compatibility and suitability for intended use.

Additionally, Tremco silicone sealants are compatible with most common metal finishes used in the building industry, and will adhere well to these substrates. It is strongly recommended that laboratory and/or field adhesion testing be done prior to final installation. In addition, for structural glazing applications, Tremco requires substrate samples be sent to our labs for adhesion testing and recommendations on surface preparation.