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Integrated Technical Solutions

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Tremco Structural Silicone Sealants Adhesion and Compatibility with Dow Corning Silicone Sealants

The objective of this bulletin is to clarify the compatibility and adhesion of Spectrem 2, Tremsil 600 Proglaze SSG and Proglaze II silicone sealants with Dow Corning 795,995,982 and 983 silicone sealants. These Tremco sealants routinely make both direct and indirect contact with the Dow Corning sealants in a variety of glazing applications. The Tremco silicone sealants listed above have been tested and found to be chemically compatible with and developed unprimed adhesion to Dow Corning 795, 995 and Dow Corning 983/982 silicone sealants. Chemical compatibility indicates no adverse chemical interactions when two sealants are in close proximity with each other. There were no such interactions with all sealant combinations tested.

Testing was carried out in both wet to wet and wet to dry conditions. Assembled samples were cured for 2 weeks at room temperature (77F and 50% relative humidity) and one week of water immersion. The Tremco silicone sealants listed above developed unprimed adhesion to the above listed Dow Corning silicone sealants in all conditions tested.

In general all surfaces must be clean and dry prior to sealant application to ensure optimal adhesion. Cured silicone should be cleaned with an approved solvent such as IPA (isopropyl alcohol) prior to sealant application.

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