

SILICONE SEALANT ALTERNATIVES GUIDE

This guide is designed to assist in the selection of alternatives for common applications of silicone sealants. Project-specific conditions may not allow for exact substitutions so always follow product application instructions and datasheets to ensure proper adhesion and compatibility. Please contact Tremco Commercial Sealants & Waterproofing directly with any questions or concerns.

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Note:

- The UV resistance of polyurethane sealants is improved by painting or coating, provided testing is completed and approved by Tremco.
- Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joint. Please contact Tremco prior to using Willseal 600.

APPLICATION	SILICONE SEALANT(S)	RECOMMENDED ALTERNATIVE(S)	ADDITIONAL CONSIDERATIONS
MASONRY			
POURED CONCRETE	Spectrem 1, 2, 3, 4-TS, 800, 900SL Tremsil 600	Dymonic FC Vulkem 45SSL, 116 Tremco Butyl Sealant Willseal 600	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 45SSL can only be used in horizontal applications • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremco Butyl Sealant provides +/-10% movement • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
CAST-IN-PLACE/ TILT-UP	Spectrem 1, 2, 3, 4-TS, 800, 900SL Tremsil 600	Dymonic 100, FC Willseal 600 Vulkem 116 Tremco Butyl Sealant	<ul style="list-style-type: none"> • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Dymonic FC provides +/- 35% movement • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremco Butyl Sealant provides +/-10% movement
CMU BLOCK	Spectrem 1, 2, 3, 4-TS Tremsil 600	Dymonic 100, FC Willseal 600 Vulkem 116 Tremco Butyl Sealant	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremco Butyl Sealant provides +/-10% movement
BRICK	Spectrem 1, 2, 3, 4-TS Tremsil 600	Dymonic 100, FC Willseal 600 Vulkem 45SSL, 445SSL, 116 Tremco Butyl Sealant	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 45SSL can only be used in horizontal applications • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremco Butyl Sealant provides +/-10% movement

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NATURAL STONE	Spectrem 1, 2, 3, 4-TS Tremsil 600	Dymonic 100, FC Willseal 600 Vulkem 45SSL, 445SSL, 116	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 45SSL can only be used in horizontal applications • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
STUCCO	Spectrem 3, 4-TS	Dymonic 100, FC Vulkem 116 Willseal 600	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
METAL			
FLASHING	Spectrem 1, 2	Dymonic 100, FC Vulkem 116 Tremco 830 Tremco Butyl Sealant	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. • Tremco Butyl Sealant provides +/-10% movement
SIDINGS	Spectrem 1, 2	Dymonic 100, FC Vulkem 116 Tremflex 834 Tremco 830 Tremco Butyl Sealant	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremflex 834 provides +/- 12.5% movement. Protect from freezing prior to installation and while curing. • Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. • Tremco Butyl Sealant provides +/-10% movement
WINDOW & DOOR PERIMETERS	Spectrem 1, 2, 3, 4-TS, 800 Tremsil 600	Dymonic 100, FC Vulkem 116 Tremflex 834 Tremco 830 Willseal 600	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremflex 834 provides +/- 12.5% movement. Protect from freezing prior to installation and while curing • Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
CURTAIN WALLS	Spectrem 1, 2, 3, 4-TS, 800 Tremsil 600	Dymonic 100, FC Tremco Acoustical Sealant	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Tremco Acoustical Sealant is a non-skinning, non-hardening product that requires adequate ventilation.
GENERAL GLAZING			
CAP BEAD	Spectrem 1, 2 Tremsil 600 Proglaze SSG, Proglaze	Tremco 830	<ul style="list-style-type: none"> • Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass.

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WEATHER SEAL	Spectrem 1, 2, 3, 4-TS Tremsil 600 Proglaze SSG	Dymonic 100, FC Vulkem 116	<ul style="list-style-type: none"> Dymonic FC, Dymonic 100, and Vulkem 116 can be used as perimeter weather seals when the window frame is sealed to masonry, stone, and metallic wall surfaces. If the weather seal is required to adhere to a glass substrate, Dymonic FC is the recommended sealant. A field adhesion test is recommended if Dymonic 100 is the required sealant. This should verify adhesion to the glass. Vulkem 116 is not recommended if the weather seal must adhere to glass. Dymonic FC provides +/- 35% movement Vulkem 116 provides +/- 25% movement, and can only be used outdoors
BEDDING	Spectrem 2 Tremsil 600 Proglaze	Dymonic FC Tremflex 834 Tremco 830 Tremco Butyl Sealant	<ul style="list-style-type: none"> Dymonic FC provides +/- 35% movement Tremflex 834 provides +/- 12.5% movement. Protect from freezing prior to installation and while curing Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. Tremco Butyl Sealant provides +/-10% movement
OTHER			
DRYVIT®/EIFS	Spectrem 1, 3, 4-TS	Dymonic FC Willseal 600	<ul style="list-style-type: none"> Dymonic FC provides +/-35% movement Dymonic FC not for use beneath polyurethane deck coatings if there is a tie-in condition between the PU coating system and the structure's Façade/EIF system(s) Dymonic FC can be painted. Testing prior to painting is required prior to full-scale installation. All sealants (including Dymonic FC) require the use of primer with EIFS substrates. The recommended primer is TREMPprime Silicone Porous Primer. When using sealant to tie into EIF systems, be sure to consult EIFS manufacturers' published application instructions and detail drawings. Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
VINYL & PLASTIC	Spectrem 1, 2 Tremsil 600	Dymonic 100, FC Vulkem 116 Tremflex 834 Tremco 830 Willseal 600	<ul style="list-style-type: none"> Dymonic FC provides +/- 35% movement Vulkem 116 provides +/- 25% movement, and can only be used outdoors Tremflex 834 provides +/- 12.5% movement. Protect from freezing prior to installation and while curing Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
GLASS	Spectrem 1, 2 Tremsil 200, 600 Proglaze SSG, Proglaze II, Proglaze	Dymonic FC Tremco 830 Tremco Butyl Sealant	<ul style="list-style-type: none"> Dymonic FC can be used with glass as a typical weather seal. If a coating or laminate on the glass surface is present, adhesion and compatibility testing must first be performed
POST-INSTALLATION AVB DETAILING	Spectrem 1	Dymonic 100 ExoAir Termination Mastic ExoAir 230/130	<ul style="list-style-type: none"> ExoAir Termination Mastic may only be used when there will not be any ExoAir membranes installed over top.

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WOOD	Spectrem 1, 2, 3, 4-TS Tremsil 600	Dymonic 100, FC, Vulkem 45SSL, 445SSL, 116 Tremflex 834 Tremco 830 Tremco Butyl Sealant Tremco Acoustical Sealant Willseal 600	<ul style="list-style-type: none"> • Dymonic FC provides +/- 35% movement • Vulkem 45SSL can only be used in horizontal applications • Vulkem 116 provides +/- 25% movement, and can only be used outdoors • Tremflex 834 provides +/- 12.5% movement. Protect from freezing prior to installation and while curing • Tremco 830 provides +/- 12.5% movement. Do not use in contact with polystyrene insulated glass seals or laminated glass. • Tremco Butyl Sealant provides +/-10% movement • Tremco Acoustical Sealant is a non-skinning, non-hardening product that requires adequate ventilation • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints
JET FUEL RESISTANCE	Spectrem 900SL	Dymonic 100 Vulkem 45SSL, 445SSL, 116	<ul style="list-style-type: none"> • If maximum movement performance is a priority, Tremco recommends the use of Dymonic 100 • If self-leveling characteristics are the priority, Tremco recommends the use of Vulkem 45SSL • The UV resistance of the Spectrem 900SL can be matched by painting or coating over the polyurethane sealant.
AVB EXPANSION JOINTS	Proglaze ETA Spectrem Simple Seal Spectrem 1	Dymonic Simple Seal + Dymonic 100 Brake Metal + Sealant *Willseal 600 + Sealant	<ul style="list-style-type: none"> • Dymonic Simple Seal has an exposure period of 6 months, and must not be used in rain screen applications with exposed joints unless it is protected by ExoAir 130 or 230 • Willseal 600 can only be used in non-immersed applications where there is no ponding water and as a backer rod on horizontal joints*