

Technical Bulletin SSG 2.2

TremGlaze[®] S900 Silicone Cure Characteristics

TremGlaze S900 utilizes hybrid technology with cure characteristics comparable to both a plural component system with early initial set and a resultant green strength, as well as a traditional system utilizing a moisture cure and a further ramping of physical properties development.

For this reason the ultimate cure rate and development of properties is also dependent on atmospheric moisture conditions and temperatures. To a lesser degree, configuration of the sealant bead, face clearances and substrate porosity will also affect the cure rate and development of properties.

Discussion of the cure characteristics of TremGlaze S900 relies on both use of common terminology as well as performance values:

1. Green Strength: Once applied, as sash can be moved after ~20 min.
2. Initial Set/“Gel Stage”: Once staged, the S900 has initial set and displays rubber-like properties in 4 hr.
3. Partial Cure: Cure time to reach 75% of physical properties is ~24 hr.
4. Full cure: Full physical properties are usually developed within a period of 7 to 14 days, dependent on environmental and design conditions mentioned above.

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