

**TECHNICAL DATA SHEET**

**S450**

**DESCRIPTION**

S450 is a one-component neutral cure silicone sealant. S450 provides excellent adhesion to common construction substrates such as tile, glass, and aluminum – without the need of a primer. S450 is ideal for back bedding and glazing applications, as well as other exterior applications.

**PHYSICAL PROPERTIES**

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| **Skin Time** | Internal Method | < 15 minutes @ 70°F / 50% RH |
| **Tack Free Time** | Internal Method | < 30 minutes @ 70°F / 50% RH |
| **Cure Rate** | Internal Method | ¼” Bead in 48 Hours |
| **VOC** | EPA Method 24 | < 34 g/L, less water and exempt Solvents |
| **Elongation @ Break** | ASTM D412 | 400 – 500% |
| **100% Modulus of Elasticity** | ASTM D412 | 40 – 80 psi |
| **Shore A** | ASTM C661 | 20 ± 5 |
| **Movement Capacity** | ASTM C719 | ± 35% |
| **Tensile Strength** | ASTM D412 | 120 – 170 psi |
| **Staining** | ASTM D2203 | None |
| **Sag/Slump** | ASTM D2202 | Minimal; < 0.2” |
| **UV Rating** | ASTM G154 | No discoloration or change in appearance after 2500 hours |
| **Service Temperature** | Internal Method | -40 to 350°F |

**SPECIFICATIONS**

S450 meets or exceeds the requirements of ASTM C920 Type S, Grade NS, Class 35, Use NT, M, G, A; Federal Specification TT-S-00230C Type II, Class A; Federal Specification TT-S-001543A Type Non-Sag, Class A.

**DIRECTIONS FOR USE**

Always do a test area to ensure product compatibility. The substrate must be clean and free of frost, oils, greases, or incompatible sealers that may interfere with adhesion. Primers are not required for most substrates. Cut nozzle to desired bead size and apply with a caulking gun. Tool if necessary. Clean excess material with mineral spirits or similar solvent.

**SHELF LIFE**

S450 can be used up to 12 months from the date of manufacture if material has been stored in their unopened container in a low humidity (< 50% RH) environment at room temperature (73 ± 2°F).

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