

**Dow Corning® 795 Silicone Building Sealant and  
Dow Corning® 995 Silicone Structural Adhesive vs. the Competition**

All values in this table were taken from product data sheets or other printed literature

	Dow Corning®	Dow Corning®	GE	GE	GE
	795	995	SilPruf® SCS2000	UltraGlaze® SSG4000	UltraGlaze® SSG4800J
Type	1 part moisture-cure Silicone	1 part moisture-cure Silicone	1 part moisture-cure Silicone	1 part moisture-cure Silicone	1 part moisture-cure Silicone
Cure Chemistry	Neutral cure alkoxy	Neutral cure alkoxy Unique long life polymer	Neutral cure alkoxy	Neutral cure alkoxy	Neutral cure alkoxy
Intended Use	Structural glazing Non structural glazing Weathersealing	Structural glazing Weathersealing Protective glazing	Structural glazing Non structural glazing Weathersealing Impact glazing	Structural glazing Weathersealing	Structural glazing Weathersealing
Modulus	Medium	Medium / High	Low	High	High
Movement Capablity	± 50%	± 50%	± 50%	± 25%	± 25%
Specifications	ASTM C920 & ASTM C1184	ASTM C920 & ASTM C1184	ASTM C920 & ASTM C1184	ASTM C920 & ASTM C1184	ASTM C920 & ASTM C1184
Structural Use	Yes	Yes	Yes	Yes	Yes
Tensile Strength (ASTM C1135) at 25%	40 psi or 0.28 MPa 35 psi or 0.241 MPa after 10,000 hours QUV weathering	48 psi or 0.33 MPa 50 psi or 0.34 MPa after 10,000 hours QUV weathering	25.5 psi or 0.18 MPa (no data available after weathering)	31 psi or 0.22 MPa (no data available after weathering)	25.4 psi or 0.175 MPa (no data available after weathering)
Tensile Strength (ASTM C1135) at 50%	60 psi or 0.42 MPa 50 psi or 0.34 MPa after 10,000 hours QUV weathering	75 psi or 0.51 MPa 78 psi or 0.54 MPa after 4,500 hours QUV weathering	41 psi or 0.29 MPa (Lower modulus sealants are not appropriate for structural glazing)	75 psi or 0.53 MPa (no data available after weathering)	76.8 psi or 0.53 MPa (no data available after weathering)
Ultimate Tensile Strength (ASTM C1135) joint test	101.4 psi or 0.71 MPa	157 psi or 1.08 MPa	141 psi or 0.98 MPa	135 psi or 0.95 MPa	177.3 psi or 1.22 MPa
Ultimate Tensile Strength (ASTM D412) rubber test	214.3 psi or 1.5 MPa	350 psi or 2.41 MPa	330 psi or 2.3 MPa	328 psi or 2.3 MPa	360.2 psi or 2.48 MPa
Ultimate Elongation (ASTM D412)	650%	525%	700%	500%	400%
Peel Strength (ASTM D642)	32 ppi	40 ppi	55 ppi	50 ppi	50 ppi
Tooling Time	20 minutes	10 - 20 minutes	30 minutes	20-30 minutes	10-15 minutes
Colours	5 standard	Black, Grey, White	8 standard	Black	Black, Grey
Available Warranty	Yes	Yes	Yes	Yes	Yes
Shelf Life	12 months	18 months	18 months	13 months	12 months

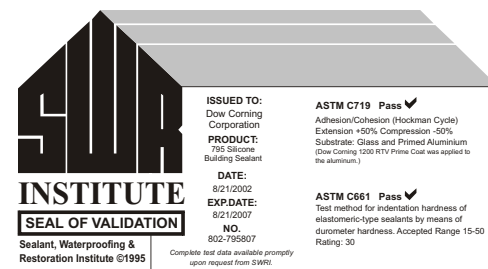
## SILICONE SEALANT COMPARISON GUIDE

### ***Dow Corning® 795 Silicone Building Sealant and Dow Corning® 995 Silicone Structural Adhesive vs. the Competition***

#### Proven Performance That Can't Beat

***Dow Corning® 795 Silicone Building Sealant*** is a one-part, neutral-cure, adhesive/sealant for new construction and renovation applications. It cures upon exposure to atmospheric moisture to produce a durable, flexible seal.

- Strong enough to support glass and other panel materials under high windload and flexible enough to accommodate thermal movement
- The standard for silicone structural glazing – approved for both 2 and 4-sided structural glazing
- A long history of success – in use since 1980 with case histories in America, Asia and Europe
- SWRI validation of ±50% movement capability
- Primerless adhesion to many building substrates; compatible with two-part silicone insulating glass seals
- Ideal for structural and nonstructural glazing of glass, metal and plastic including adhering stiffeners to building panels



***Dow Corning® 995 Silicone Structural Adhesive*** is a one-part, high tensile sealant ideally suited for structural bonding and protective glazing applications.

- Based on patented polymer technology which provides improved package stability and hence long shelflife, making it the lowest risk silicone choice in hot tropical climates
- Cures to form an extremely tough elastomeric rubber, ensuring a durable, flexible and watertight bond
- Successfully tested in protective glazing systems
- Accommodates movement up to ±50%
- Meets global standards for structural glazing (America, Europe and Asia)
- Primerless adhesion to many building substrates; compatible with two-part silicone insulating glass seals
- A long history of success – in use since 1992

***Dow Corning® 795 Silicone Building Sealant and Dow Corning® 995 Silicone Structural Adhesive*** are backed by Dow Corning Corporation, a global silicone technology leader with a reputation for superior technical support and one of the best warranty programs in the business.

**How does the competition compare? Turn the page and see for yourself ...**

Construction  
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*We help you invent the future.™*

#### Notes:

1. All values are typical values from data sheets but production properties will fall within a range of values. Small variations between sealant properties are not significant as they would fall within normal range of values.
2. Tensile strength for structural glazing applications should always be tested using ASTM C1135 as this uses a joint configuration.
3. Most important stated tensile values are at 25% and 50% elongation as they are within the working range of the sealants. In structural applications the 0.14MPa a maximum load on sealant normally occurs at elongations below 25%, so high strength at 25% elongation indicates strong structural support.
4. Ultimate tensile strength (value at sealant failure) is not relevant for normal structural applications as the design load for the structural sealant is 0.14MPa.
5. High ultimate tensile strength is important for impact applications where very high loads can be experienced. Dow Corning 995® has been selected for testing in many protective glazing applications due to its high tensile strength and tough elastomeric rubber properties.
6. It is also important to demonstrate that tensile properties are maintained after weathering as long term performance is of critical importance for structural silicone sealants. Only Dow Corning publishes tensile properties after weathering.
7. Tensile testing to ASTM D412 uses a dumbbell cut from a flat sheet of cured sealant. The values obtained cannot be related to actual silicone sealant use in structural or weatherseal applications. ASTM D412 is a rubber test and only useful as a sealant QA test.
8. Stated shelflife is based on specified storage conditions. Shelflife can be reduced by storage at higher temperature than recommended. DC 995 is based on unique patented polymer technology which provides improved package stability and longer shelflife.
9. Medium to high modulus silicone sealants have the required strength and flexibility for structural glazing. *GE Silpruf® SCS2000* is a low modulus silicone sealant.

**For sealant performance that is everything it claims to be... put your trust in 795 Silicone Building Sealant and 995 Silicone Structural Adhesive from Dow Corning.**

Dow Corning Corporation is the global silicone technology leader with more than 50 years of silicone experience. Across the construction industry, worldwide, Dow Corning is known for high-performance products, consistent quality, reliable supply and the ability to provide total building envelope solutions. It's a name you can trust.

For more information, please visit [www.dowcorning.com/construction](http://www.dowcorning.com/construction)

#### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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