Consumer Solutions

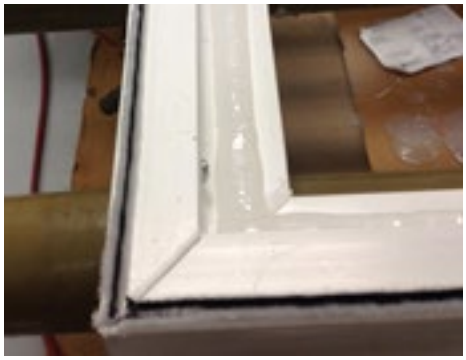
DOWSIL™ 2400 Silicone Assembly Sealant

Achieve high performance and productivity at the same time

DOWSIL™

Features/Benefits

- Suitable for impact and standard glazing
- Passes large-missile-impact testing and pressure cycles up to 100 psf
- Instant green strength delivers improved productivity, reducing storage space required to allow sealant to develop sufficient cure prior to shipment
- Primerless adhesion to common substrates – including wood, anodized aluminum and coated aluminum extrusions – eliminates manufacturing steps, reducing labor costs and increasing throughput; saves labor time compared with manual tape-glazing
- Minimal waste and cleanup
- Long-term weather-resistant durability
- Usable in standard XY-glazing equipment and hot-melt pumps
- Clear, neutral-cure RTV silicone
- Wide service-temperature range (-50 to 150°C)
- 15-minute open time
- Low VOC (< 25 g/L)



DOWSIL™ 2400 Silicone Assembly Sealant delivers a step change in mechanical strength and thermal-cycling performance for hot-melt sealants, enhancing design freedom for architectural window manufacturing.

New DOWSIL™ 2400 Silicone Assembly Sealant is ideal for use as a dynamic back-bedding sealant in the assembly of windows and doors. The sealant delivers the long-term durability inherent to silicone sealants at the critical interface between glass and frame. Its ease of use, primerless adhesion and green strength promote enhanced productivity with consistent quality to meet your manufacturing needs.

A sealant for tough standards

DOWSIL™ 2400 Silicone Assembly Sealant:

- Passes testing for air infiltration, water penetration by uniform or cyclic air pressure difference, and structural performance requirements
- Demonstrates successful use in High Velocity Hurricane Zone (HVHZ) designs, passing HVHZ Large Missile Impact Level D performance requirements
- Meets Low Velocity Hurricane Zone (LVHZ) performance standards
- Can be applied in window assemblies requiring forced-entry resistance

Select the best performance for your back-bedding needs

Product	Green Strength	Productivity	Shear Resistance (Creep)	Adhesion to Common Fenestration Substrates	Squeeze-Out	Mechanical Strength and Thermal Cycling
DOWSIL™ 2400 Silicone Assembly Sealant	**Best**	**Best**	**Best**	**Best**	**Best**	**Best**
One-part Silicone Sealant	Good	Good	Best	Good	Good	Best
Two-part Silicone Sealant	Better	Better	Best	Good	Good	Best
DOWSIL™ InstantGlaze Window Assembly Sealant	Best	Best	Good	Best	Best	Good

Figure 1.
Creep resistance evaluation

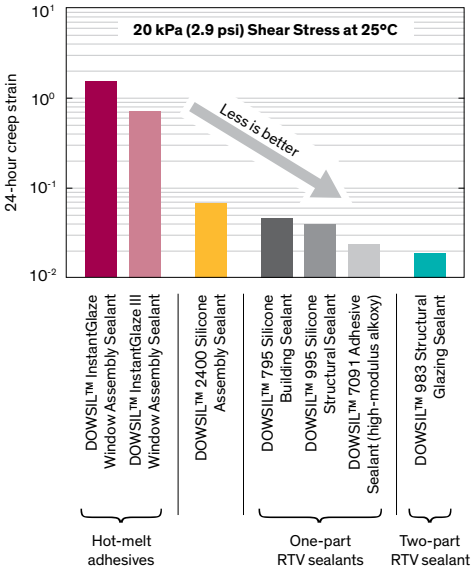


Figure 2.
Lap shear stress at break

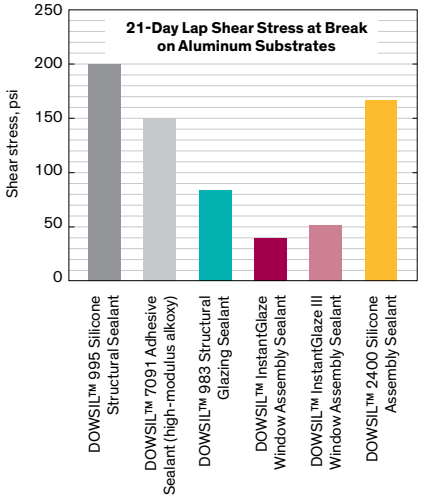
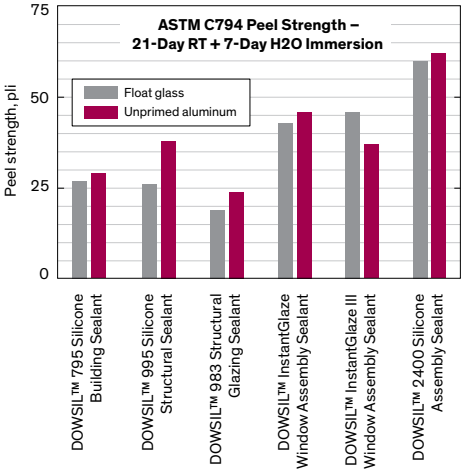


Figure 3.
Peel strength





DOWSIL™ 2400 Silicone Assembly Sealant is easy to apply using high-speed automatic equipment, including XY tables and robots.

Contact Us

Dow is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings for a more comfortable environment.

Learn more about Dow's silicone products for window and door applications and our full range of high performance building solutions by visiting us online at **consumer.dow.com/construction.**

Dow has sales offices, manufacturing sites, and science and technology laboratories around the globe. Find local contact information at **consumer.dow.com/contactus.**

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