

Selecting the correct PSI Sealant...
compatibility testing is recommended prior to actual application.

	Single-Component							Multi-Component
	601	601 FG	613	803	812 HS	1000	952	275
■ Silicone ■ Hybrid ■ Polyurethane ■ Polysulfide								
Joint Type								
Vertical and horizontal joints	•	•	•	•	•	•	•	•
Light traffic joints							•	•
Substrate Considerations								
Submerged joints (with appropriate PSI primer)	★	★	★	★	★			•
Metals subject to corrosion				•	•	•	•	•
Application Environment								
Damp surface				•	•			
Temperature -40°F to -20°F (-40°C to -29°C)	•	•	•	•	•			
Temperature -20°F to 180°F (-29°C to 82°C)	•	•	•	•	•	•	•	•
Temperature 180°F to 450°F (82°C to 232°C)	•	•	•	•	•			
NSF Standard 51 certification required		•						
Application Requirement								
Tack-free time < 1 hour	•	•	•	•	•	•	•	•
Low odor				•	•	•	•	•
Paintable				•	•	•	•	•
Low-VOC content			•	•	•	•	•	•
No solvents				•	•	•	•	•
★ - Non-porous substrates only.								



High-Performance Joint Sealants

Polymeric Systems, Inc., is a part of Whitford Worldwide. For more detailed product information, contact Polymeric Systems or the Whitford agent listed below.



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Quality Sealants for Every Application Polyurethanes • Hybrids • Silicones • Polysulfide

- Durable, flexible sealants keep out weather, moisture and dirt
- Compensate for dynamic joint movement and temperature changes
- Sealants for different porosities and degrees of expansion
- Excellent adhesion to building materials, including concrete, glass, stone, plastic, masonry, vinyl, metal and wood




Specializing in low-solvent and solvent-free products

Guide to PSI Sealants

■ Products listed below are stock products. Some PSI products are available with special performance properties for custom requirements - contact PSI Customer Service for more information.

Need More Information?

■ See back cover to select the correct PSI Sealant for your application.
 ■ For detailed specification sheets (containing technical data, compliance, uses and applications), contact PSI Customer Service or visit our website at polymericystems.com.

PRODUCT	STANDARD PACKAGING*	FEATURES	SPECIFICATION COMPLIANCE	HARDNESS, SHORE A	JOINT MOVEMENT CAPABILITY %**	TACK-FREE TIME**	FINAL CURE 1/8" BEAD**	Standard colors shown; other colors special order.							TYPICAL APPLICATIONS/BENEFITS
								WHITE	GRAY	LIMESTONE	BLACK	ALUMINUM	CLEAR	RED	
Silicone															
PSI-601 Acetoxy Silicone Sealant	Cartridges 10.3 ounce (305 ml)	Excellent medium-modulus, general-purpose sealant. Highly flexible over a wide temperature range. UV- and ozone-resistant. Excellent dielectric properties. VOC content 91 gm/L.	• MIL-A-46106 • SCAQMD Rule 1168	25	±25	15 minutes	1 day	■				■	■		VERTICAL JOINTS • Perimeter caulking • Non-structural glazing • Solar panels, skylights, glass blocks NOT FOR CONCRETE
PSI-601 FG Acetoxy Silicone Sealant 	Cartridges 10.3 ounce (305 ml)	Excellent general-purpose sealant. Approved for use in areas where food contact is anticipated. VOC content 91 gm/L.	• MIL-A-46106 • FDA 177.2600 • NSF Standard 51 • SCAQMD Rule 1168	25	±25	15 minutes	1 day						■		VERTICAL JOINTS • Kitchens and bathrooms • Vents and ductwork • Non-structural glazing NOT FOR CONCRETE
PSI-613 High-Temperature Silicone Adhesive/Sealant	Cartridges 10.3 ounce (305 ml)	Withstands extreme temperatures (continuous -80°F to +500°F / -62°C to +260°C; intermittent to +600°F / +315°C. Low-VOC content (37 gm/L).	• ASTM C-920 • TT-S-001543A • TT-S-00230C • CAN/CGSB 19.13-M87	25	±25	15 minutes	1 day							■	HIGH TEMPERATURE • Gasketing, flue pipes NOT FOR CONCRETE
Hybrid															
Sili-Thane® 803 Elastomeric Adhesive/Sealant	Cartridges 10.3 ounce (305 ml)	New technology combines benefits of silicones (superior UV-resistance, fast tack-free and cure time) with benefits of polyurethanes (paintable, excellent primerless adhesion to wide range of substrates of dissimilar porosity, surface textures and coefficients of expansion). Moisture cure, yet non-bubbling when applied in high humidity or to moist substrates. Very low odor. No solvents or isocyanates. Low-VOC content (18 gm/L).	• ASTM C-920 • TT-S-00230C • CAN/CGSB 19.13-M87 • SCAQMD Rule 1168	35	±25	30 minutes	1 day	■	■	■	■				VERTICAL JOINTS PERIMETER JOINTS • Non-structural glazing • PVC windows and trim • Ventilation systems • Bonding dissimilar materials • Paintable
Sili-Thane® 812 HS High-Strength Elastomeric Adhesive/Sealant	Cartridges 10.3 ounce (305 ml)	Technology similar to Sili-Thane 803, but with higher strength and faster tack-free time. Superior UV-resistance, paintable after cure, excellent primerless adhesion to a wide range of substrates of dissimilar porosities, surface textures and coefficients of expansion. Moisture cure, yet non-bubbling when applied in high humidity or to moist substrates. Very low odor. No solvents or isocyanates. Low-VOC content (18 gm/L).	• ASTM C-920 • TT-S-00230C • CAN/CGSB 19.13-M87	42	±25	15 minutes	1 day	■	■	■	■				VERTICAL JOINTS PERIMETER JOINTS • OEM manufacturing applications • PVC windows and trim • Non-structural glazing • Ventilation systems • Bonding dissimilar materials • Paintable
Polyurethane, One-Part															
Flexiprene® 1000 Polyurethane Sealant	Cartridges 10.3 ounce (305 ml)***	Especially designed to provide a new level of protection for personal health and the environment. Exceptionally smooth gunning and tooling for ease of application. Fast skin-over / fast cure. Virtually odorless. Contains no solvents or toluene diisocyanate (TDI). Low-VOC content (4 gm/L).	• ASTM C-920 • TT-S-00230C • CAN/CGSB 19.13-M87 • AAMA 802.3 and 805.2	30	±25	45 minutes	1 day			■					VERTICAL JOINTS PERIMETER JOINTS • Curtain walls • No solvents • Paintable
Flexiprene® 952 Self-Leveling Polyurethane Sealant	Cartridges 30 ounce (900 ml)	Fast skin-over time. Can be used on slopes up to 3%. Supports foot and light vehicular traffic. VOC content 71 gm/L.	• ASTM C-920 • TT-S-00230C • CAN/CGSB 19.13-M87 • SCAQMD Rule 1168	35	±25	2 hours	1 day		■						HORIZONTAL JOINTS • Paintable • Pavements, driveways • Parking decks
Polysulfide, Multi-Component															
PSI-275 Polysulfide Sealant	2-gallon pail, 1.5-gallon fill (5.7 L fill) Color pack sold separately	Designed to seal many types of joints, including joints exposed to continuous water immersion. Ideal for pools, fountains and sewage treatment facilities. Unique cure is not affected by atmospheric moisture. Won't "blow" or bubble in humid conditions or on surfaces. Low-solvent content; no phthalate plasticizers. Low-VOC content (11 gm/L). Color pack needed for cure.	• ASTM C-920 • TT-S-00227E except §3.5.7 Stain and Color Change • CAN/CGSB 19.24-M90 except ASTM D510 Stain and Color Change • SWI 2B • ASTM C-1247	30	±25	8 hours	7 days		■	■	■				VERTICAL JOINTS HORIZONTAL JOINTS PERIMETER JOINTS • Curtain wall systems • Sewage treatment facilities • Reservoirs, dams • Fountains • Paintable

*Other packaging (pails and drums) is available by special order.

**Typical properties are for information only, not for purposes of specification.

***Available in batch quantities only.