

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

<input type="checkbox"/> Silicone <input type="checkbox"/> MS Polymer™ <input type="checkbox"/> Polyurethane	Single-Component							Multi-Component
	601	613	631	641	803	1000	952	270
Joint Type								
Vertical and horizontal joints	•	•	•	•	•	•	•	•
Light traffic joints							•	
Substrate Considerations								
Damp surface					•			•
Metals subject to corrosion			•	•	•	•	•	•
Application Environment								
Extreme Movement (In excess of ±25% original joint width)				•				
Submerged joints (with appropriate PSI primer)	★	★	★	★	★			•
Temperature >400°F (204°C)		•						
Temperature >180°F (82°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.
 *MS Polymer is a trademark of Kaneka Corporation.



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 • MS Polymer™ • Silicones

- 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

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.

PRODUCT	STANDARD PACKAGING*	FEATURES	SPECIFICATION COMPLIANCE	JOINT MOVEMENT CAPABILITY %**	TACK-FREE TIME**	FINAL CURE 1/8" BEAD**	Standard colors shown; other colors on special order.										TYPICAL APPLICATIONS/BENEFITS
							OFF WHITE	WHITE	GRAY	BRONZE	LIMESTONE	BLACK	ALUMINUM	CLEAR	TAN	RED	
Silicone																	
PSI-601/601 FG Acetoxy Silicone Sealant 	Cartridges 10.3 ounce (305 ml)	Excellent general-purpose sealant. Also for use in food processing areas and food equipment. Low-VOC content (37 gm/L).	<ul style="list-style-type: none"> MIL-A-46106 Food grade only: FDA 177.2600 NSF Standard 51 	±25	15 minutes	1 day		■					■	■	■		VERTICAL JOINTS <ul style="list-style-type: none"> Kitchens & bathrooms Non-structural glazing NOT FOR CONCRETE
PSI-613 High-Temperature Silicone Adhesive/Sealant	Cartridges 10.3 ounce (305 ml)	Withstands extreme temperatures (continuous -80° to +500°F / -62° to +260°C; intermittent to 600° (315°C). Low-VOC content (37 gm/L).	<ul style="list-style-type: none"> ASTM C-920 TT-S-001543A and TT-S-00230C CAN/CGSB 19.13-M87 	±25	15 minutes	1 day										■	HIGH TEMPERATURE <ul style="list-style-type: none"> Gasketing, flue pipes NOT FOR CONCRETE
PSI-631 Non-Corrosive Silicone Sealant	Cartridges 10.3 ounce (305 ml)	Neutral cure formulation. Low odor; ideal for application in enclosed areas. VOC content 72 gm/L.	<ul style="list-style-type: none"> ASTM C-920 TT-S-001543A and TT-S-00230C CAN/CGSB 19.13-M87 	±25	15 minutes	1 day		■					■	■			VERTICAL EXPANSION JOINTS <ul style="list-style-type: none"> Non-structural glazing
PSI-641 Low Modulus Silicone Sealant	Cartridges 10.3 ounce (305 ml)	Exceptional extension/compression recovery. Silicone of choice for dynamic movement. Excellent primerless adhesion and non-corrosive to most common building materials. VOC content 56 gm/L.	<ul style="list-style-type: none"> ASTM C-920 TT-S-001543A and TT-S-00230C MIL-A-46106B CAN/CGSB 19.13-M87 	±50	20 minutes	1 day		■		■				■			HIGH MOVEMENT EXPANSION JOINTS <ul style="list-style-type: none"> Curtain wall systems PVC windows Metal to concrete
MS Polymer™																	
Sili-Thane™ 803 Elastomeric Adhesive/Sealant	Cartridges 10.3 ounce (305 ml)	New technology combines benefits of silicones (superior UV-resistance, fast tack-free & cure time) with benefits of polyurethanes (paintable, excellent primerless adhesion to wide range of substrates of dissimilar porosity, surface textures & 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).	<ul style="list-style-type: none"> ASTM C-920 TT-S-00230C CAN/CGSB 19.13-M87 	±25	30 minutes	1 day		■	■		■	■					VERTICAL JOINTS PERIMETER JOINTS <ul style="list-style-type: none"> Non-structural glazing PVC windows and trim Ventilation systems Bonding dissimilar materials Paintable
Polyurethane, One-Part																	
Flexiprene® 1000 Polyurethane Sealant	Cartridges 10.3 ounce (305 ml)	Sealant 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).	<ul style="list-style-type: none"> ASTM C-920 TT-S-00230C CAN/CGSB 19.13-M87 AAMA 802.3 & 805.2 	±25	45 minutes	1 day						■					VERTICAL JOINTS <ul style="list-style-type: none"> 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. No solvents. VOC content 71 gm/L.	<ul style="list-style-type: none"> ASTM C-920 TT-S-00230C CAN/CGSB 19.13-M87 	±25	2 hours	1 day			■								HORIZONTAL JOINTS <ul style="list-style-type: none"> Paintable
Polyurethane, Multi-Component																	
PSI-270 Hybrid Polyurethane Sealant	2 gallon pail, 1.5 gallon fill (5.7 L fill) Color pack sold separately	Designed to seal 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 damp surfaces. Low-solvent content; no isocyanates. VOC content 80 gm/L. Color pack needed for cure. Cure accelerator available.	<ul style="list-style-type: none"> ASTM C-920 TT-S-00227E CAN/CGSB 19.24-M90 SWI 2B 	±25	24 hours	7 days	■	■	■	■	■	■				■	VERTICAL JOINTS HORIZONTAL JOINTS PERIMETER JOINTS <ul style="list-style-type: none"> 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.

Some PSI products are available with special performance properties for custom requirements - contact PSI Customer Service for more information.