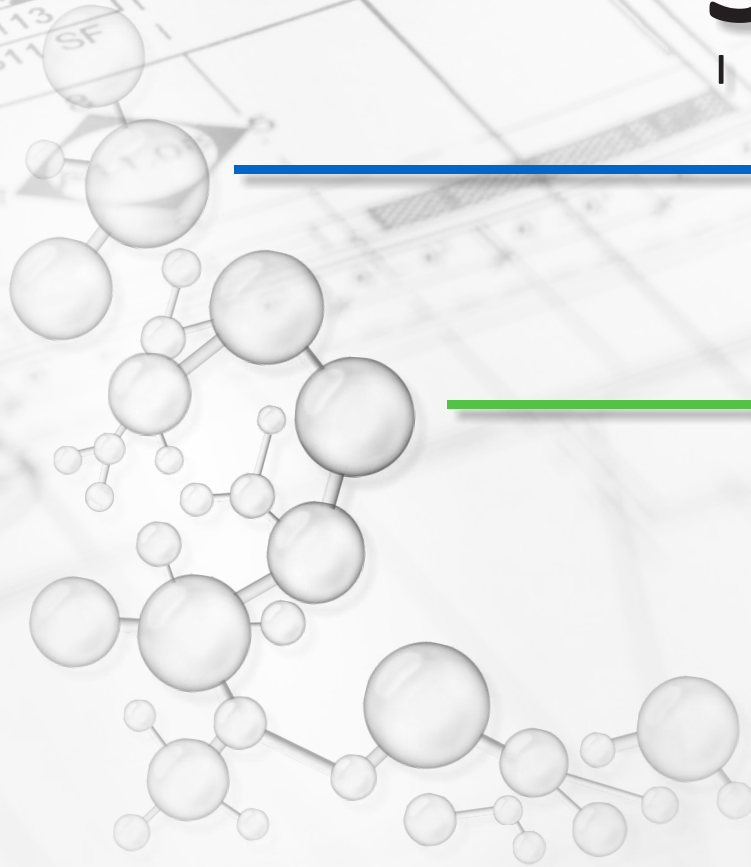


SILCO
INCORPORATED

**APPLICATION DRIVEN
SILICONES and HYBRIDS**
Product Information Guide





Application Driven Silicones and Hybrids

Construction

Concrete
Doors
Fireplace
Glass Block
Gutters
Roofing
Windows
Tubs & Sinks
Pipe Fittings
Sheet Metal
Trim & Siding

Industry

Automotive
Appliances
Electronics
Farming
Aerospace
Marine
HVAC/R
Signage
Food Service
Equipment



SILCO Sealants & Adhesives

20 Years of Superior Products. Silco Incorporated has been developing and manufacturing advanced silicone and hybrid products for twenty years at our headquarters in Mentor, Ohio. Our products are thoroughly tested to assure they meet the most stringent design and performance requirements for commercial, industrial, and residential construction applications.

Driven by challenges and expectations, we look forward to servicing your needs.

Always Growing. At Silco, we continually upgrade and enhance our product line. We look for new ways to increase production efficiency, lower costs and shorten the time between design and delivery. To ensure our strong position in the marketplace, we are committed to aggressive R & D programs and creative partnerships with our vendors and customers. The resulting advantage allows us the benefit of new designs, materials and a leading edge in fast changing markets.

Full-service Customer Care. We offer an experienced team of silicone and hybrid experts and a state-of-the-art, full-service custom manufacturing and packaging facility. These assets let us serve an important niche in the silicone and hybrid manufacturing industry. In addition to our complete line of market-driven products, we formulate custom products and packages to meet the needs of specific markets and customers.

*Set your business apart from the competition.
Choose Silco sealants and adhesives
-under our trusted label or yours.*

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SILCO Silicones & Hybrids

Silco Product Lines

Acetoxy Cure Silicones have high elasticity and are extremely tough in extreme low and high temperature settings. Silicones also have the highest rated index for UV resistance, which is critical to many commercial and residential applications where sealant exposure is critical. Key characteristics include: non-yellowing, non-flammable, excellent weatherability and resistance to mildew.

Neutral Cure Silicones are in the same family tree as acetoxy silicones. While retaining those properties, neutral cures have added capabilities such as being non-corrosive, low odor, greater permanent flexibility and capacity for movement. Neutral cures offer a wider range of adhesion to common materials (plastic and masonry) without the use of a primer. This grouping of silicones offers particular formulas for Multi-Surface Adhesion, Self Leveling, High Temperature, Fast Curing and All Weather Sealant.

Hybrids are silane-crosslinking organic polymers that combine properties typical of both silicone and polyurethane while eliminating their individual inherent weaknesses. Thus, hybrid sealants combine the adhesive strength and paintability of polyurethane with the weathering resistance of silicones.

Siliconized Acrylic Latex is a proven general construction perimeter water based sealant.

Poly Foams are energy efficient expanding polyurethane foams. Fills, insulates and seals larger construction cavities and gaps around: windows, doors, electrical and insulation.



Silco Services

Private Labeling* With Silco's premium products being in multiple industries we are pleased to open our application and eco-driven products to be private labeled. We want to ensure your market presence as a quality, value added sealant supplier. Private labeling is a very common practice in this industry, taking a large share of the market. Which is why it is a key service at Silco. Our clients are distribution experts, knowing consumer needs and providing excellent distribution. The Silco team is extremely good at high speed manufacturing; let's put your brand on our products.

Color Matching* With over 450 colors produced since 1993, Silco is committed to the market's need for quality, custom-colored sealants and adhesives. Our products make our customers' assembled products look seamless. The end user looks at the finished product rather than the adhesive bond line. Our Sale Representative works directly with our in-house chemistry lab to take custom color clients from concept to shipment. Explore the spectrum of colors and SEE the difference for yourself.

Custom Packaging* *unique container sizes, specific packaging requirements, resale & jobsite packaging* - Silco has filled product in a large variety of custom sizes or volumes; 2.0 oz. squeeze tubes, 8.5 oz. cartridges, 18 oz. foil sausages, 2 and 3 gallon pails, even 55 gallon drums. We have had all kinds of packaging requests, including; non-standard case quantity, heavy duty boxes, unique pallet and shipping requirements. Take your branding to the next level. Store-front or jobsite ready packaging moves you beyond common private labeling. Let Silco bundle your private label product in customized, resale packaging.

** Minimum order quantities may apply. Services available for Sealant and Adhesive Products. Combine services to help your product stand out from the competition.*



SILCO Silicones & Hybrids

Product Selection & Characteristics

Standard Containers	Case Qty
2.8 fl. oz. squeeze tubes	48
10.3 fl. oz. cartridges	24
20 fl. oz. sausages	16
5 gal. pails (4.5 gal.)	1
55 gal. drums (52 gal.)	1
Foam 24 oz. can	12



	Eco-Flex 9500	Eco-Tite 5500	Eco-Tite 5500 UC	Eco-Tite 5525	Eco-Tite 5555	Eco-Tite 5575	Gen-Sil 45	Sil-Bond 3500	Sil-Bond 4500	Sil-Bond 6500	Sil-Flex 7500	Sil-FlexSL 7525	Sil-FlexHT 7565	Sil-FlexFC 7595	Ultra-Flex	Peri-Bond PB3	Inner-Seal	Extreme-Seal
Hybrid Moisture Cure	●	●	●	●	●	●												
Silicone Acetoxy Cure							●	●	●	●								
Silicone Neutral/Oxime Cure											●	●	●	●	●			
Acrylic Latex Cure																●		
Polyurethane Cure																		●
Key Characteristics	Performance Adhesive/Sealant	Multi-Purpose Adhesive/Sealant	Ultra Clear Adhesive/Sealant	Self Leveling Adhesive/Sealant	Fast Grab Adhesive	High Strength Adhesive	General Purpose Sealant	Mildew Resistant Sealant	High Strength Sealant	High Temp Sealant 500° F	Multi-Surface Sealant	Self-Leveling Sealant	High Temp Sealant 500° F	Fast Cure Sealant	All Weather Sealant	Multi-Purpose Sealant	Expanding Foam	Low Temp 0° F Expanding Foam
Adhesion to Kynar® Electrical Components & Coatings	●	●	●	●	●	●					●			●	●			
Closed Cell Technology																	●	●
Extended Shelf Life		●	●			●	●	●	●	●			●			●		
Fast Cure		●	●	●	●	●								●				
Low Dirt Pickup	●	●	●	●	●	●											●	●
Low Odor	●	●	●	●	●	●					●	●	●	●	●	●		
Mildew Resistant	●	●	●	●	●	●	●	●	●	●						●	●	●
Movement Capability %	25	25	25	25	25	15	25	25	25	25	50	25	50	50	25	15	n/a	n/a
Non-Corrosive	●	●	●	●	●	●					●	●	●	●	●	●		
Paintable	●	●	●	●	●	●												
Water Clean-Up																●		
General Properties																		
Contains No Solvents or Isocyanates	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Eliminates Air Infiltration	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Energy Efficient	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Excellent Adhesion	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Excellent Tooling	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Long Product Life	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Made in the USA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Non-Flammable	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Non-Sag	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Non-Shrinking	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Non-Staining	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Non-Yellowing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Permanent Flexibility	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Resistant to Most Chemicals	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
UV Stable	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
VOC Compliant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Waterproof	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Weather Resistant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Will Not Shrink or Crack	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		

ECO-FLEX 9500 (Hybrid)

HIGH PERFORMANCE 1-PART ELASTOMERIC HYBRID ADHESIVE SEALANT

Eco-Flex (9500) is a one component, high modulus, mildew resistant multipurpose silyl-terminated polyether (hybrid) elastomeric sealant and adhesive. When fully cured, this unique VOC compliant formula offers UV stability and firm bonding to PVC, concrete, glass, aluminum, painted surfaces, wood, plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Excellent Adhesion
- Adhesion to Kynar®
- Non-Corrosive
- Paintable
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Sealing Openings & Exterior Surfaces
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Transportation Seals
- Marine Cabins
- Appliance Trim & Parts
- Interior/Exterior
- Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M, G; TT-S-00230C, USDA Approved, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II).

AVAILABLE COLORS: Clear, White, Black, Gray, Bronze, Tan, Sand Beige (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Hybrid, Moisture Cure
Movement Capability, %	±25%
Modulus	High
Physical Properties (Cured)	Rubber
Specific Gravity	1.66
Extrusion Rate, g/min.	320
1/8" orifice @ 50 psi	ASTM C-1183
Temperature Range	-75°F to 220°F
Intermittent Temperature Range	250°F
Accelerated Weathering (2,000 hrs.)	UV-A, No Change
Skin Over Time (min)	20*
Tack Over Time (min)	40*
Cure Rate	1/8" per 24hrs*
Tensile Strength (psi)	225
Elongation %	450-500
Durometer Shore A	46
Shelf Life (months)	12
Volatile Organic Content	18 gr./liter

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.



ECO-TITE 5500 (Hybrid)

MULTI-PURPOSE 1-PART ELASTOMERIC HYBRID SEALANT & ADHESIVE

Eco-Tite (5500) is a one component, medium modulus, fast curing, multipurpose silyl-terminated polyether (hybrid) elastomeric sealant. When fully cured, this unique VOC compliant formula offers UV stability and tenacious stress free adhesion to PVC, concrete, glass, aluminum, painted surfaces, wood plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- High Strength Adhesion
- Adhesion to Kynar ®
- Fast Cure
- Non-Corrosive
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals
- Paintable

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Fasten Exterior Surfaces
- Skirt & Panel Adhesive
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Transportation Seals
- Marine Cabins
- Interior/Exterior
- Above Grade

MEETS SPECIFICATIONS: N/A

AVAILABLE COLORS: White, Black, Gray, Tan (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Hybrid, Moisture Cure
Movement Capability, %	±25%
Modulus	Medium
Physical Properties (Cured)	Rubber
Specific Gravity	1.5
Extrusion Rate, g/min.	350
1/8" orifice @ 50 psi	Modified
Temperature Range	-75°F to 225°F
Intermittent Temperature Range	250°F
Accelerated Weathering (10,000 hrs.)	No Change
Skin Over Time (min)	30*
Tack Over Time (min)	45*
Cure Rate	1/8" per 24hrs*
Tensile Strength (psi)	287
Elongation %	250
Durometer Shore A	43
Shelf Life (months)	18
Volatile Organic Content	> 26 gr./litre

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ECO-TITE ULTRA CLEAR 5500 (Hybrid)

ULTRA CLEAR 1-PART ELASTOMERIC HYBRID SEALANT & ADHESIVE

Eco-Tite (5500) is a one component, medium modulus, fast curing, multipurpose silyl-terminated polyether (hybrid) elastomeric sealant. When fully cured, this unique VOC compliant formula offers UV stability and tenacious stress free adhesion to PVC, concrete, glass, aluminum, painted surfaces, wood plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- High Strength Adhesion
- Adhesion to Kynar ®
- Fast Cure
- Non-Corrosive
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals
- Paintable

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Fasten Exterior Surfaces
- Skirt & Panel Adhesive
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Transportation Seals
- Marine Cabins
- Interior/Exterior
- Above Grade

MEETS SPECIFICATIONS: N/A

AVAILABLE COLORS: Ultra Clear

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Hybrid, Moisture Cure	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.05	
Extrusion Rate, g/min.	200	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-75°F to 225°F	
Intermittent Temperature Range	250°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	35*	MNA Method
Tack Over Time (min)	45*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	320	ASTM D-412
Elongation %	220	ASTM D-412
Durometer Shore A	40	ASTM C-661
Shelf Life (months)	18	
Volatile Organic Content	> 26 gr./litre	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ECO-TITE 5525 (Hybrid)

SELF LEVELING 1-PART ELASTOMERIC HYBRID ADHESIVE & SEALANT

Eco-Tite (5525) is a one component self leveling, medium modulus, fast curing, silyl-terminated polyether (hybrid) elastomeric adhesive and sealant. When fully cured, this unique VOC compliant formula offers UV stability and tenacious stress free adhesion to PVC, concrete, aluminum, painted surfaces, wood, plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Self Leveling Adhesion
- Fast Cure
- Non-Corrosive
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals
- Paintable

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Fasten Exterior Surfaces
- Concrete Joint Sealant
- HVAC/R
- Plumbing
- Roofing
- Sanitary Seals
- Transportation Seals
- Interior/Exterior
- Above/Below Grade

MEETS SPECIFICATIONS: N/A

AVAILABLE COLORS: White, Black (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Hybrid, Moisture Cure	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.5	
Extrusion Rate, g/min.	1320	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-75°F to 225°F	
Intermittent Temperature Range	250°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	35*	MNA Method
Tack Over Time (min)	45*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	170	ASTM D-412
Elongation %	341	ASTM D-412
Durometer Shore A	29	ASTM C-661
Shelf Life (months)	12	
Volatile Organic Content	31 gr./litre	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ECO-TITE 5555 (Hybrid)

FAST GRAB 1-PART ELASTOMERIC HYBRID SEALANT & ADHESIVE

Eco-Tite (5555) is a one component, medium modulus, fast grab, high green strength, multipurpose silyl-terminated polyether (hybrid) elastomeric sealant. When fully cured, this unique VOC compliant formula offers UV stability and tenacious stress free adhesion to PVC, concrete, glass, aluminum, painted surfaces, wood plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- High Green Strength/Elastic
- Fast Cure
- Paintable, Can Be Sanded
- Non-Corrosive
- Adhesion to Kynar®
- Flexible & Durable, Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Odorless
- Resistant to Most Chemicals
- Alternative to Mechanical Fastening

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Fasten Exterior Surfaces
- Skirt & Panel Adhesive
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Transportation Seals
- Marine Cabins
- Interior/Exterior
- Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M

AVAILABLE COLORS: White, Black, Gray, Tan (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Hybrid, Moisture Cure	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.55	
Extrusion Rate, g/min.	100	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-75°F to 225°F	
Intermittent Temperature Range	250°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	20*	MNA Method
Tack Over Time (min)	35*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	287	ASTM D-412
Elongation %	250	ASTM D-412
Durometer Shore A	55	ASTM C-661
Shelf Life (months)	18	
Volatile Organic Content	> 26 gr./litre	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ECO-TITE 5575 (Hybrid)

HIGH STRENGTH 1-PART ELASTOMERIC HYBRID ADHESIVE

Eco-Tite (5575) is a one component, high modulus, fast curing, multipurpose silyl-terminated polyether (hybrid) elastomeric adhesive. When fully cured, this unique VOC compliant formula offers UV stability and tenacious stress free adhesion to PVC, concrete, glass, aluminum, painted surfaces, wood, plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- High Strength Adhesion
- Adhesion to Kynar®
- Fast Cure
- Non-Corrosive
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals
- Paintable

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Fasten Exterior Surfaces	Sanitary Seals
Skirt & Panel Adhesive	Flooring
HVAC/R	Transportation Seals
Plumbing	Marine Cabins
Roofing	Appliance Trim & Parts
Kitchen & Bath	Interior/Exterior
Countertops	Above Grade

MEETS SPECIFICATIONS: N/A

AVAILABLE COLORS: White, Black (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Hybrid, Moisture Cure
Movement Capability, %	±15%
Modulus	High
Physical Properties (Cured)	Rubber
Specific Gravity	1.5
Extrusion Rate, g/min.	350
1/8" orifice @ 50 psi	Modified
Temperature Range	-75°F to 225°F
Intermittent Temperature Range	250°F
Accelerated Weathering (2,000 hrs.)	No Change
Skin Over Time (min)	30*
Tack Over Time (min)	45*
Cure Rate	1/8" per 24hrs*
Tensile Strength (psi)	453
Elongation %	110
Durometer Shore A	72
Shelf Life (months)	18
Volatile Organic Content	31 gr./liter

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

GEN-SIL RTV-45 (Acetoxy)

GENERAL PURPOSE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Gen-Sil (RTV 45) is a premium general purpose, one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive. When fully cured, this unique VOC compliant formula offers UV stability to form waterproof and airtight bonds to metal, steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, plywood, marble, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Mildew Resistant
- VOC Compliant
- Waterproof
- Weather Resistant
- Permanent Flexibility
- Easy Application
- Excellent Adhesion

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Windows, Doors, Skylights	Industrial Gaskets
HVAC/R	Precast Concrete
Plumbing	Transportation Seals
Roofing	Marine Cabins
Kitchen & Bath	Appliance Trim
Countertops	Interior/Exterior
Sanitary Seals	Above Grade

MEETS SPECIFICATIONS: N/A

AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Trans White (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	.97	
Extrusion Rate, g/min. 1/8" orifice @ 50 psi	750	ASTM C-1183 Modified
Temperature Range	-62°F to 400°F	
Intermittent Temperature Range	450°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	MNA Method
Tack Over Time (min)	20*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	220	ASTM D-412
Elongation %	570	ASTM D-412
Durometer Shore A	17	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.9 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	29 gr./liter	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-BOND RTV-3500 (Acetoxy)

MILDEW RESISTANT 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Bond (RTV 3500) is an exceptional mildew resistant one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive. When fully cured, this product creates waterproof and airtight bonds to metal, steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, wood, plywood, marble, plus many other common substrates. It is frequently used for interior sealing applications exposed to high moisture; tubs, baths, countertops, etc. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.



FEATURES & BENEFITS

- Mildew Resistant
- Excellent Weatherability
- UV Stable
- Non-Yellowing
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion
- Non-Shrinking

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Sealing & Glazing	Precast Concrete
HVAC/R	Transportation Seals
Plumbing	Marine Cabins
Roofing	Appliance Trim
Kitchen & Bath	Interior/Exterior
Countertops	Above Grade
Sanitary Seals	

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25; TT-S-00230C, TT-S-01543A, MIL-A-46106A, FDA CFR 177.2600, USDA Approved.

AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Trans Colors (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	370	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 400°F	
Intermittent Temperature Range	450°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	MNA Method
Tack Over Time (min)	17*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	310	ASTM D-412
Elongation %	500	ASTM D-412
Durometer Shore A	26	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.7 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	30 gr./liter	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-BOND RTV-4500 (Acetoxy)

HIGH STRENGTH 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Bond (RTV 4500) is a one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive that has been chemically formulated for high strength adhesion. When fully cured, this unique VOC compliant formula offers UV stability and excellent adhesion to form waterproof and airtight bonds to metal, steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, wood, plywood, marble, plus many other common substrates. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.



FEATURES & BENEFITS

- High Strength
- Excellent Weatherability
- UV Stable
- Non-Yellowing
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion
- Non-Shrinking

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Sealing & Glazing	Precast Concrete
HVAC/R	Transportation Seals
Plumbing	Marine Cabins
Roofing	Appliance Trim
Kitchen And Bath	Interior/Exterior
Countertops	Above Grade
Sanitary Seals	

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25; TT-S-00230C, TT-S-01543A, MIL-A-46106A, FDA CFR 177.2600, USDA Approved, NSF 51, UL Recognized Component.

AVAILABLE COLORS: Clear, White, Black, Aluminum, Bronze

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	370	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 350°F	
Intermittent Temperature Range	400°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	MNA Method
Tack Over Time (min)	17*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	310	ASTM D-412
Elongation %	500	ASTM D-412
Durometer Shore A	26	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.7 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	30 gr./liter	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-BOND RTV-6500 (Acetoxy)

HIGH TEMPERATURE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Bond (RTV 6500) is a premium high temperature one component room temperature vulcanizing RTV acetoxy cure silicone sealant and adhesive. When fully cured, this unique VOC compliant formula offers tenacious adhesion to form waterproof and airtight bonds to materials in high temperature scenarios, such as: metal, steel, tile, ceramic, glass, aluminum, painted surfaces, marble and many other common substrates. This product is specifically formulated to offer all weather performance to meets today's Green Building Standards.



FEATURES & BENEFITS

- High Temperature Performance
- Excellent Weatherability
- UV Stable
- Non-Yellowing
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion
- Non-Shrinking

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Sealing & Glazing
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Furnace & Fireplace
- Flues & Venting
- Transportation Seals
- Appliance Trim
- Interior/Exterior
- Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25; TT-S-00230C (COM-NBS), TT-S-01543A (COM-NBS), MIL-A-46106A, FDA CFR 177.2600, USDA Approved, NSF 51, UL Recognized Component.

AVAILABLE COLORS: Red

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	370	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 500°F	
Intermittent Temperature Range	650°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	10*	MNA Method
Tack Over Time (min)	17*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	310	ASTM D-412
Elongation %	500	ASTM D-412
Durometer Shore A	26	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.9 @ 60	
Shelf Life (months)	24	
Volatile Organic Content	30 gr./liter	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-FLEX RTV-7500 (Neutral)

MULTI-SURFACE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Flex (RTV 7500) is a one component, low modulus, neutral cure silicone sealant and adhesive created to bond a wide variety of building materials. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion to pvc, concrete, glass, aluminum, painted surfaces, wood, plywood, stucco, building paper, window wrap, fiber cement, brick, stone, steel, ceramic, porcelain, masonry, plus many other common material surfaces. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Multi-Surface
- Excellent Adhesion
- Non-Corrosive
- Low Odor
- 50% Movement Capability
- Permanent Flexibility
- Excellent Weatherability
- Long Life
- VOC Compliant
- Non-Flammable
- Waterproof

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- | | |
|--------------------------------------|------------------------|
| Sealing Openings & Exterior Surfaces | Precast Concrete |
| HVAC/R | Industrial Gaskets |
| Plumbing | Transportation Seals |
| Roofing | Marine Cabins |
| Kitchen & Bath | Appliance Trim & Parts |
| Countertops | Interior/Exterior |
| Sanitary Seals | Above Grade |

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 50, TT-S-00230C, TT-S-01543A, MIL-A-46106A, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II); UL Recognized Component.

AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Gray, Trans White (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Neutral/Oxime
Movement Capability, %	±50%
Modulus	Low
Physical Properties (Cured)	Rubber
Specific Gravity	1.04
Extrusion Rate, g/min.	500
1/8" orifice @ 50 psi	Modified
Temperature Range	-62°F to 400°F
Intermittent Temperature Range	450°F
Accelerated Weathering (10,000 hrs.)	No Change
Skin Over Time (min)	12*
Tack Over Time (min)	25*
Cure Rate	1/8" per 30hrs*
Tensile Strength (psi)	190
Elongation %	650
Durometer Shore A	15
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Constant at 100 Hz	2.7 @ 96
Shelf Life (months)	18
Volatile Organic Content	40 gr./liter

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.



SIL-FLEX^{SL} RTV-7525

(Neutral)

SELF-LEVELING 1-PART INDUSTRIAL/CONSTRUCTION GRADE FLOWABLE SILICONE SEALANT

Sil-Flex^{SL} (RTV 7525) is a self-leveling one component, low modulus, neutral cure silicone sealant and adhesive. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion. It is frequently used for coating electronic components and terminals or sealing pitch pockets and window seams. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.

FEATURES & BENEFITS

- Self-Leveling
- Non-Corrosive
- Low Odor
- 25% Movement Capability
- Permanent Flexibility
- Excellent Weatherability
- Long Life
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Sealing Openings & Exterior Surfaces
- HVAC/R
- Roof Pitch Pockets
- Lap Shears/Seams
- Coating & Potting Electronics
- Concrete Expansion Joints
- Glazing & Back Beading
- Transportation Seals
- Marine Cabins
- Appliance Trim & Parts
- Interior/Exterior

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25.

AVAILABLE COLORS: Clear, White, Black, Aluminum, Red (custom colors available upon request)



PHYSICAL PROPERTIES

TEST METHOD

Cure System	Neutral/Oxime	
Movement Capability, %	±25%	ASTM C-719
Modulus	Low	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.05	
Extrusion Rate, g/min.	610	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 400°F	
Intermittent Temperature Range	450°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	12*	MNA Method
Tack Over Time (min)	22*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	180	ASTM D-412
Elongation %	300	ASTM D-412
Durometer Shore A	20	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.8 @ 60	
Shelf Life (months)	18	
Volatile Organic Content	34 gr./liter	

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-FLEX^{HT}

RTV-7565

(Neutral)

HI-TEMP 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Flex^{HT} (RTV 7565) is a one component, low modulus, neutral cure high temperature silicone sealant and adhesive. This product offers non-corrosive adhesion to many sensitive metals such as copper, foil, brass, zinc and bronze. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.

FEATURES & BENEFITS

- High Temperature to 500°F
- Non-Corrosive
- Low Odor
- 50% Movement Capability
- Permanent Flexibility
- Excellent Weatherability
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Sealing & Glazing	Flues & Venting
HVAC/R	Ducts Work
Plumbing	Stoves, Ovens & Boilers
Roofing	Transportation Seals
Kitchen & Bath	Bonding Appliance Trim & Parts
Furnace & Fireplace	Interior/Exterior
Smoke Stacks	Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 50; TT-S-00230C, TT-S-01543A, MIL-A-46106A, UL Recognized Component.

AVAILABLE COLORS: Red, Black



PHYSICAL PROPERTIES

TEST METHOD

Cure System	Neutral/Oxime	
Movement Capability, %	±50%	ASTM C-719
Modulus	Low	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.05	
Extrusion Rate, g/min.	420	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 500°F	
Intermittent Temperature Range	650°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	12*	MNA Method
Tack Over Time (min)	25*	ASTM C-679
Cure Rate	1/8" per 30hrs*	MNA Method
Tensile Strength (psi)	280	ASTM D-412
Elongation %	360	ASTM D-412
Durometer Shore A	30	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	3.3 @ 60	
Shelf Life (months)	18	
Volatile Organic Content	40 gr./liter	

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

SIL-FLEX^{FC}

RTV-7595

(Neutral)

FAST CURE 1-PART INDUSTRIAL/CONSTRUCTION GRADE SILICONE SEALANT

Sil-Flex^{FC} (RTV 7595) is a one component, low modulus, neutral cure silicone sealant and adhesive. It is chemically formulated to increase production output due to its accelerated skin, tack and full cure times; ideal for fast prototyping, production assembly lines and quick jobsite installations. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion to most common construction substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Fast Cure
- Excellent Adhesion
- Non-Corrosive
- Low Odor
- 50% Movement Capability
- Permanent Flexibility
- Excellent Weatherability
- Long Life
- VOC Compliant
- Non-Flammable
- Waterproof

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Sealing Openings & Exterior Surfaces	Precast Concrete
HVAC/R	Industrial Gaskets
Plumbing	Transportation Seals
Roofing	Marine Cabins
Kitchen & Bath	Appliance Trim & Parts
Countertops	Interior/Exterior
Sanitary Seals	Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 50; TT-S-00230C, TT-S-01543A, MIL-A-46106A, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II).

AVAILABLE COLORS: Clear, White, Black, Aluminum (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

Cure System	Neutral/Oxime	
Movement Capability, %	±50%	ASTM C-719
Modulus	Low	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	500	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 400°F	
Intermittent Temperature Range	450°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	6*	MNA Method
Tack Over Time (min)	15*	ASTM C-679
Cure Rate	1/8" per 18hrs*	MNA Method
Tensile Strength (psi)	190	ASTM D-412
Elongation %	650	ASTM D-412
Durometer Shore A	15	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.7 @ 96	
Shelf Life (months)	3	
Volatile Organic Content	40 gr./liter	

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ULTRA-FLEX (Neutral)

ALL-WEATHER 1-PART PREMIUM SEALANT

Ultra-Flex is a one component, medium modulus, neutral cure silicone sealant and adhesive. The thicker formulation makes this product perfect for exterior construction applications. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion to pvc, concrete, glass, aluminum, painted surfaces, wood, plywood, stucco, building paper, window wrap, fiber cement, brick, stone, masonry plus many other common material surfaces. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.



FEATURES & BENEFITS

- Ideal for Window, Door, Siding & Gutter Installation
- Waterproof
- UV & Mildew Resistant
- Excellent Tooling
- Non-Corrosive
- Low Odor
- Solvent Free
- Cures to a Flexible Rubber
- Superior Joint Movement
- Will not Shrink or Crack

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- Seal Openings & Exterior Surfaces
- HVAC/R
- Plumbing
- Roofing
- Lap Siding & Exterior Trim
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Transportation Seals
- Marine Cabins
- Appliance Trim & Parts Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25, Use T,A,M,G,I - class 1; TT-S-00230C (COM-NBS), TT-S-01543A (COM-NBS), MIL-A-46106A, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II).

AVAILABLE COLORS: Clear, White, Tan, Dark Bronze (custom colors available upon request)

PHYSICAL PROPERTIES

TEST METHOD

PHYSICAL PROPERTIES	TEST METHOD
Cure System	Neutral/Oxime
Movement Capability, %	±25%
Modulus	Medium
Physical Properties (Cured)	Rubber
Specific Gravity	1.35
Extrusion Rate, g/min.	200
1/8" orifice @ 50 psi	Modified
Temperature Range	-62°F to 350°F
Intermittent Temperature Range	400°F
Accelerated Weathering (10,000 hrs.)	No Change
Skin Over Time (min)	15*
Tack Over Time (min)	25*
Cure Rate	1/8" per 30hrs*
Tensile Strength (psi)	310
Elongation %	410
Durometer Shore A	35
Dielectric Strength kv/mm (v/mil)	20 (500)
Dielectric Constant at 100 Hz	2.7 @ 96
Shelf Life (months)	18
Volatile Organic Content	40 gr./liter

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

PERI-BOND PB3 (Latex)

New Siliconized
Enhanced Formula

MULTI PURPOSE 1-PART CONSTRUCTION GRADE SILICONIZED ACRYLIC LATEX SEALANT

Peri-Bond (PB-3) This premium quality one component, paintable, non-sag, low odor, mildew resistant siliconized acrylic latex sealant is formulated to provide a long lasting interior and exterior seal where slight to no movement is expected. Its creamy smooth consistency allows for ease in contractor tooling and cleanup of excess uncured sealant. The siliconized feature improves adhesion to many substrates including ceramic, glass, wood and plaster substrates. The final cured product provides for a watertight/weatherproof seal without the use of primers; ideal for applications such as windows, kitchens and bath fixtures.



FEATURES & BENEFITS

- Non-Sag
- Low Odor
- Paintable
- Water Clean-Up
- Exterior/Interior Use
- Mildew Resistant
- Non-Staining
- Non Yellowing
- Low Dirt Pickup

CONSTRUCTION & INDUSTRIAL APPLICATIONS

- | | |
|-------------------------|------------------------|
| Interior Window Sealing | Hollow Core Ceilings |
| HVAC/R | Interior Wall Surfaces |
| Plumbing | Seal Openings |
| Kitchen & Bath | Interior/Exterior |
| Countertops | Above Grade |

MEETS SPECIFICATIONS: ASTM C-834-78

AVAILABLE COLORS: Clear, White, Almond (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Siliconized Acrylic Latex	
Movement Capability, %	±10%	ASTM C-719
Modulus	High	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.55	
Extrusion Rate, g/min.	750	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Service Temperature Range	-5°F to 170°F	
Application Temperature Range	40°F to 100°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	30*	MNA Method
Tack Over Time (min)	50*	ASTM C-679
Cure Rate	1/8" per 72hrs*	MNA Method
Tensile Strength (psi)	125	ASTM D-412
Elongation %	350	ASTM D-412
Durometer Shore A	40	ASTM C-661
Solids by Weight	85%	ASTM D-2022
Slump of Sealant	NIL	
Shelf Life (months)	24	
Volatile Organic Content	40 gr./liter	

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

INNER-SEAL (POLY FOAM)

EXPANDING 1-PART ENERGY EFFICIENT POLYURETHANE FOAM

INNER-SEAL is a multi-purpose, UL-classified, one-component polyurethane foam designed specifically for window and door installation and retro-fit applications. Apply INNER-SEAL onto any clean surface to fill and seal around windows and door frame joints, beneath base plates, mud sills, top plate penetrations, corner joints, T-joints, exterior cracks, around utility panels, pipes and duct penetrations. A critical advantage of this industrial/construction grade foam is its extremely low pressure build while curing, which greatly reduces the chance of bowing.



FEATURES & BENEFITS

- Closed Cell Technology
- Mildew Resistant
- Energy Efficient
- Non-Flammable
- Eliminates Air Infiltration
- Made in the USA

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Seal Exterior	Insulation
Openings & Joints	Electrical
HVAC/R	Transportation Seals
Plumbing	Marine Cabins
Roofing	Appliance Trim & Parts

MEETS SPECIFICATIONS: AAMA #812-04, UL Classified File #R13919, ASTM E2112 sec. 5.9.2, Canadian Stds. Assoc. A440.4-98. **INNER-SEAL is designed within international guidelines for protection of the ozone layer, and with respect to the Montreal Protocol, 1987 and other environmental guidelines.**

AVAILABLE COLORS: Gray

PHYSICAL PROPERTIES

Cure System	Polyurethane
Core Density	1.44 lbs. /ft ³ (23 kg./m. ³)
R-Value ASTM C518	4-5 per inch, typically
RSI (Metric R-Value)	0.7-0.8/inch, 0.005-0.006/mm
Air Barrier Properties ASTM E-283	@6.24 psf (300 Pa) <0.01 cfm/ft ² (0.05 L/s/m ²) @1.57 psf (75 Pa) <0.0025 cfm/ft ² (0.0125 L/s/m ²)
Tack Over Time (min)	70°F, 40% RH ≈ 5 min.
Cure Time (hours)	12-24
Cutttable (1" bead)	<1 hour
Pressure Build	17-1.25 psig (AMA#812-040)
Volatile Organic Content	None

**Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.*

ALSO AVAILABLE FROM SILCO: Multi-Purpose Cleaner for foam products and guns.



EXTREME-SEAL

(POLY FOAM)

LOW TEMP EXPANDING 1-PART EXTREME COLD TEMPERATURE POLYURETHANE EXPANDING FOAM

Extreme Seal is a multi-purpose UL classified one component polyurethane foam which is formulated specifically for use in extreme low temperatures and low humidity conditions. Apply Extreme Seal for any filling or sealing of joints and filling in wall gaps and cavities. A pure benefit for winter time construction and building applications. Commonly used in window and door joints and frames, pipes and duct penetrations and other common projects that require energy efficient insulation when temperatures are unjust and unfitting for conventional foams.

FEATURES & BENEFITS

- Cures Below 0° F (18°C)
- Energy Efficient
- Mildew Resistant
- Closed Cell Technology
- Eliminates Air Infiltration
- Made in the USA

CONSTRUCTION & INDUSTRIAL APPLICATIONS

Seal Exterior	Insulation
Openings & Joints	Electrical
HVAC/R	Transportation Seals
Plumbing	Marine Cabins
Roofing	

MEETS SPECIFICATIONS: UL Classified File #R13919, ASTM E-84, Flame Spread 25, Smoke Developed 50

AVAILABLE COLORS: Gray



PHYSICAL PROPERTIES

Cure System	Polyurethane
Core Density	1.0 lbs. /ft. ³ (16 kg./m. ³)
R-Value ASTM C518	4-5 per inch, typically
RSI (Metric R-Value)	0.7-0.8/inch, 0.005-0.006/mm
Air Barrier Properties ASTM E-283	@6.24 psf (300 Pa) <0.01 cfm/ft ² (0.05 L/s/m ²) @1.57 psf (75 Pa) <0.0025 cfm/ft ² (0.0125 L/s/m ²)
Tack Over Time (min)	70°F, 60% RH ≈ 10 min.
Cure Time (hours)	12-24
Cutable (1" bead)	<1 hour
Closed Cell Content	>70%
Volatile Organic Content	<20% by Weight

*Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

ALSO AVAILABLE FROM SILCO: Multi-Purpose Cleaner for foam products and guns.



SEAL-CLEAN

(POLY FOAM CLEANER)

CLEANER 1-PART MULTI-PURPOSE FOAM CLEANER

Seal Clean is a multi-purpose cleaning agent used to dissolve uncured or fresh polyurethane foam and adhesive, formulated without the use of any ozone-depleting materials. Seal Clean is uniquely designed for cleaning of the one-component professional dispensing units, as well as for general cleaning purposes such as tools, work surfaces, etc.

APPLICATION AREAS

Typical application for Seal Clean would include cleaning of the one component dispensing unit to keep internal and external parts working efficiently. Seal Clean may also be used for dissolving uncured urethane foam and adhesives in most one-component applications.

PROPERTIES

WARNING: Contents are extremely flammable. Never use near open flame, sparks, heat sources, or other potential sources of ignition. The pre-pressurized cleaning agent dissolves uncured or fresh polyurethane foam and will evaporate quickly. Its unique design allows the user to dispense contents in the upright or inverted position for easy access and convenience of use with the one-component dispensing unit.

Seal Clean requires no outside mechanical or electrical power source. Recommended temperature for use is 75°F (24°C). It is available in one size, complete and ready for use. The product may be attached to one-component dispensing units for easy gun cleaning or used directly from the can for general cleaning purposes using the red spray activator.



PREPARATION FOR USE

Shake well before using. For general cleaning purposes, insert the red spray activator onto the valve stem of the can. With arrow towards the surface to be cleaned, slowly depress the red activator to spray cleaning agent. In case of delicate surfaces or fabrics, test a concealed area for evaluation. Wipe off excess residue or rub fabrics if necessary.

APPLICATION / USE

Dispensing unit cleaner: Follow the general cleaning instructions after every can to remove any fresh foam from dispensing unit adapter and barrel opening before attaching new container. It is not necessary to flush the dispensing unit after every can. Always replace the empty product container immediately with a fresh can. To maintain the dispensing unit in good working order, follow these instructions after every 10-20 cans, or prior to repair. While holding red spray activator aside, screw Seal Clean onto dispensing unit adapter until it will not go further. Do not over tighten. Carefully pull the trigger and dispense cleaning agent into suitable container. If necessary, repeat procedure two to three times until only clear cleaning agent appears from barrel.

IMPORTANT NOTE:

Cured foam cannot be dissolved with Seal Clean. Do not use pointed or sharp objects for cleaning of dispensing units. Use only in well ventilated areas. Wear impervious gloves, eye protection, and protect clothing when using. Read all instructions and safety information (SDS) prior to use of any product. **KEEP OUT OF REACH OF CHILDREN.**

PRODUCT STORAGE

Store in cool, dry area. Do not expose to open flame or temperatures above 120°F (49°C) to avoid excessive pressure build up. Seal Clean is reusable by following product instructions.

SPECIAL HANDLING

Contents are extremely flammable. Never use near open flame, sparks, heat source, or other potential sources of ignition. Vapors may cause flash fire if ignited. Contents are under pressure. Do not puncture or incinerate. Do not place in hot water or near radiators, stove, or other sources or heat or store or above 129°F (49°C).

SILCO Sealants & Adhesives

Green Building, Safety and VOC Rating



Silco Incorporated is ecologically minded, providing products that are Volatile Organic Compound (VOC) compliant. We maintain high industry standards to encourage safe use of our products and support green building methods. We have certification letters on file of third-party verification by Dallas Laboratories, Inc. for those products which meet industry standards, including: MIL-A-46106A, ASTM C920 and various AAMA. Also, many Silco products contain key components that have been independently "Listed", "Recognized" or "Verified" with leading industry organizations for acceptable usage.

SEALANT COVERAGE

JOINT SIZE D" x W"	LINEAR FEET SEALED				
	2.8 FL. OZ.	10.3 FL. OZ.	20 FL. OZ.	4.5 (5) GALLON	52 (55) GALLON
3/16 x 1/4	9.0	33.0	64.2	1,848	21,372
3/16 x 3/8	6.0	22.0	42.8	1,232	14,248
3/16 x 1/2	4.3	16.0	32.0	924	10,660
3/16 x 5/8	3.5	13.0	25.6	739	8,528
3/16 x 3/4	3.0	11.0	21.4	616	7,124
1/4 x 1/4	6.8	25.0	48.1	1,386	16,016
1/4 x 3/8	4.3	16.0	32.0	924	10,660
1/4 x 1/2	3.3	12.0	24.0	693	8,008
1/4 x 5/8	2.7	10.0	19.2	554	6,396
1/4 x 3/4	2.3	8.3	16.1	462	5,356
1/4 x 1	1.7	6.2	12.0	346	4,004
3/8 x 3/8	3.0	11.0	21.4	616	7,124
3/8 x 1/2	2.3	8.3	16.1	462	5,356
3/8 x 5/8	1.8	6.6	12.8	370	4,264
3/8 x 3/4	1.5	5.5	10.6	308	3,536
3/8 x 1	1.1	4.1	8.0	231	2,652
1/2 x 3/8	1.1	4.1	8	231	2,652
1/2 x 1/2	1.7	6.2	12.0	346	4,004
1/2 x 5/8	1.4	5.0	9.7	277	3,224
1/2 x 1	0.8	3.1	6.1	173	2,028

Surface Preparation

Lack of surface preparation is the key reason for adhesion failure.

- Remove dirt, grease or moisture from surface to be sealed or bonded. Allow surface to dry thoroughly.
- Surfaces can be difficult to adhere once they receive sanding or chemical treatment. Minimize use of these and similar processes. Priming these surfaces before applying sealants can aid in adhesion.
- Suggested application thickness is 1/4" (6mm) or less.
- Length of time for full cure depends upon thickness of application and other factors including temperature & humidity.

NSF Usage & Status*



NSF International lists several Silco product components under NSF/ANSI Standard 51 as "Food Equipment Materials".

UL Usage & Status*



Silco Inc. is an Authorized Repackager under the UL LLC Repackaged Recognized Component TEOU2 program. Representative samples of repackaged components have been evaluated by Underwriters Laboratories and meet applicable UL requirements.

AAMA Usage & Status*



Multiple Silco products use primary components that have been submitted to the American Architectural Manufacturers Association Certification Program, which includes a system of verification and documentation of components' compliance with their individual applicable standards at an AAMA-accredited laboratory.

FDA Usage & Status*

Several Silco product components when properly cured and washed, meet the requirements of FDA regulation 21 CFR 177.2600 for incidental contact with food, subject to end-use compliance.

USDA Usage & Status*

The USDA has on file many key components in Silco products that are authorized for use in federal inspected meat and poultry plants, classified USDA-P1. Sealants must be properly cured and cleaned with potable water prior to use; avoiding direct or indirect contamination of food products.

ASTM*

Many Silco products meet ASTM specification Standard C920 Type S; key components having been tested under multiple ASTM test methods as stated on each product detail page.

*Many Silco products contain Industry Listed, Recognized or Verified Components. See product pages for each code specification.



SILCO Sealants & Adhesives



Order Information

Preferred method: orders@silco-inc.com
Fax: 440-975-8887

Standard & Private Label Packaging

Sealants & adhesives are available in various size containers, packed multiples per case. Our standard minimum order is one case. Special packaging is available, as are custom printed cartridges and boxes. A minimum order for cartridges and squeeze tubes required for custom printed work.



Terms of Sale

Our normal terms of sale are net 30 days with credit approval. A standard credit application needs to be submitted and reviewed prior to initial shipment. If you have immediate order requirements, we can ship UPS C.O.D.; or process the order based on cash in advance. Accounts are reviewed on an ongoing basis and credit limits are normally established per performance and needs. We do not recommend C.O.D. TRUCK SHIPMENTS.

Lead Time

Our normal lead time on stock silicones is same or next business day shipment. Special or custom product lead time is determined on an individual basis, given testing and customer approval.

Freight Policy

Our freight policy is F.O.B. Mentor, Ohio and Phoenix, Arizona given availability; truck shipments being sent collect. Normally, any order of ten cases or less is sent UPS, prepaid and add. We are happy to honor your freight requests, otherwise we send the best way possible.

Product Safety

RTV silicone sealants are manufactured for industrial and construction use only. As part of our ongoing safety information program, safety data sheets are available at any time on our website or per request. The SDS is updated to supply specific product safety and technical information.

Storage & Handling

Silicone and hybrid sealants and adhesives have a minimum shelf life of 12-24 months if stored in original, unopened containers below 90°F. Please see product brochure or SDS for specific information.

Product Performance

Silco Inc. recommends that all products be tested to your specific requirements, since we have no control over the end use of the product. Samples of our products are available for application testing, along with detailed literature.

Warranty

Silco Inc. warrants that its products will meet its specifications. There is no warranty for merchantability or fitness of use, nor any other express or implied warranties. All recommendations for use of the products are derived from tests and data believed to be reliable. Manufacturer shall not be liable for injury, incidental or consequential damages resulting from the use of this product. Manufacturer's only liability shall be to replace that portion of the product proven to be defective.

SILCO Silicones & Hybrids



The Possibilities Are Unlimited

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