SILCO
INCORPORATED

APPLICATION DRIVEN SILICONES and HYBRIDS

Product Information Guide

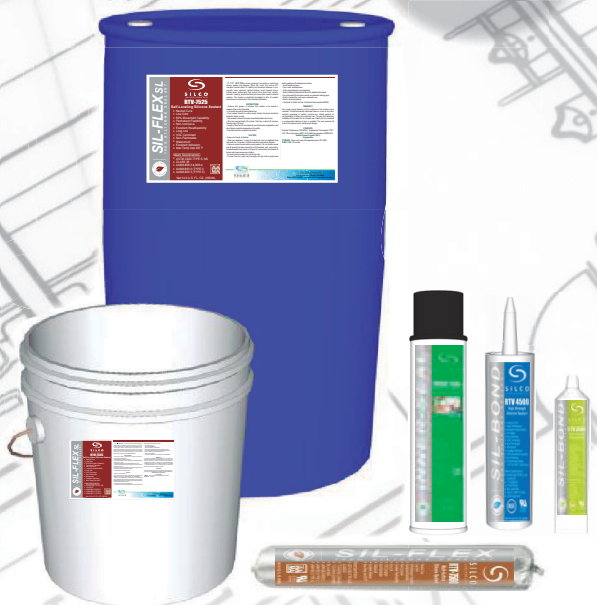
Application Driven Silicones and Hybrids

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 INCORPORATED

www.silco-inc.com
440-975-8886

SILCO Sealants & Adhesives

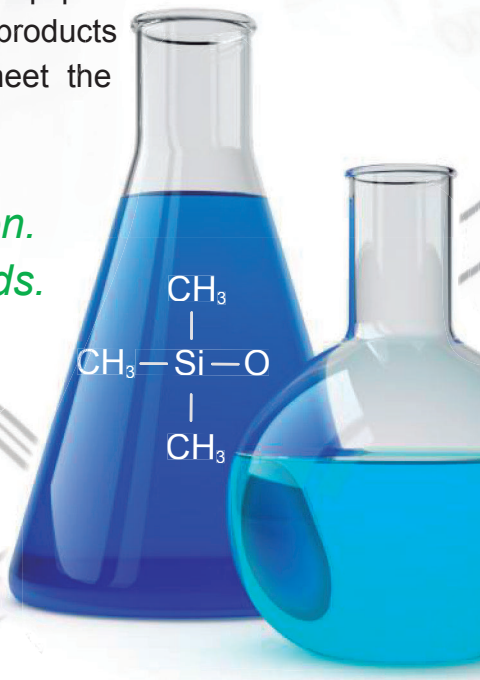
Silco Incorporated, established in Mentor, Ohio in 1993, develops and manufactures advanced silicone and hybrid products with superior capabilities and properties. These products are thoroughly tested to assure they meet the most stringent design and performance requirements for commercial, industrial, and residential construction applications.

Driven by challenges and expectations, We look forward to service your needs.

At Silco, we continually upgrade and enhance our product line looking 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.

Driven by an experienced team of silicone and hybrid experts, Silco Incorporated serves an important niche in the silicone and hybrid manufacturing industry. With our unique and diverse technical team coupled with our state of the art custom compounding and packaging equipment. Silco Incorporated can offer a complete line of market driven products along with custom products and packages formulated to meet the demands set by certain markets and customers.

Set the difference between you and your competition.
Let Silco customize your sealant and adhesive needs.



Silco Incorporated

Corporate Office
7635 Saint Clair Avenue
Mentor, Ohio 44060
Phone: 440-975-8886
Fax: 440-975-8887

Western Division
3622 E. Southern Avenue Ste 2
Phoenix, Arizona 85040
Phone: 602-269-2003
Fax: 602-269-2009

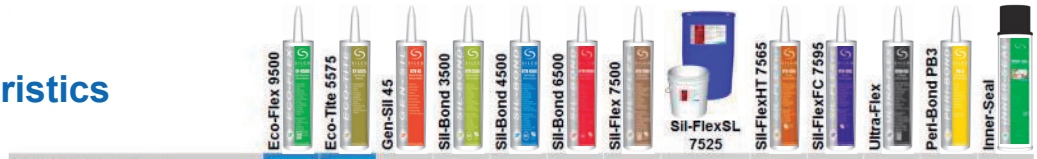
SILCO Silicones & Hybrids

Product Selection & Characteristics

Silicones are a traditional member of a family of polymeric products whose molecular backbone is made up of alternating silicon and oxygen atoms and has pendant hydrocarbon groups attached to the silicon atoms. 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.

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.

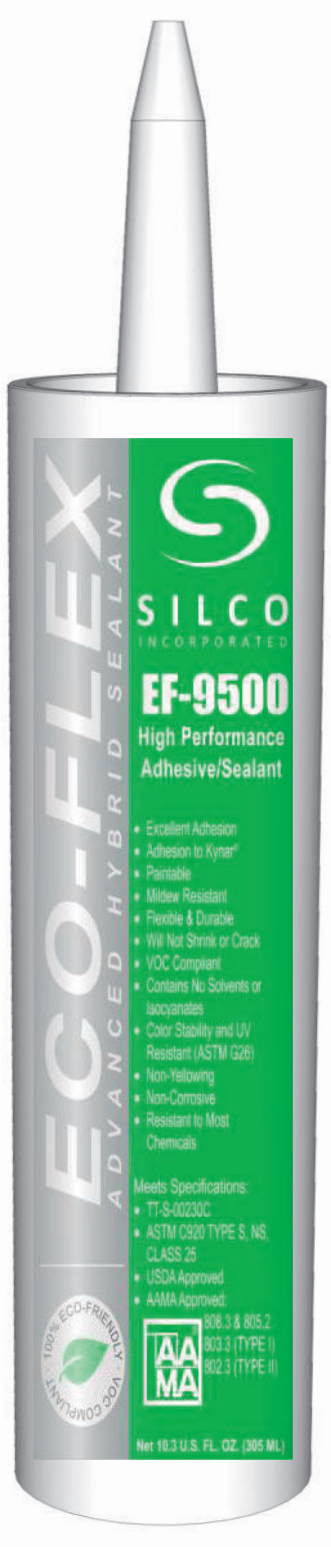
Standard containers	Standard Case Quantity
2.8 fl. oz. squeeze tubes	48
10.3 oz. cartridges	24
20 oz. sausages	16
5 gallon pails (4.5 gal.)	1
55 gallon drums (52 gal.)	1
InnerSeal 24 oz. can	12



Hybrid Moisture Cure	● ●
Silicone Acetoxy Cure	● ● ● ●
Silicone Neutral/Oxime Cure	● ● ● ● ●
Acrylic Latex Cure	●
Polyurethane Cure	●

Key Characteristics	Performance Adhesive/Sealant	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
Adhesion to Kynar ® Electrical Components & Coatings	●	●					●		●	●	●		
Closed Cell Technology													●
Extended Shelf Life			●	●	●	●		●				●	
Fast Cure		●								●			
Low Dirt Pickup	●	●										●	
Low Odor	●	●					●	●	●	●	●	●	
Mildew Resistant	●		●	●							●	●	●
Movement Capability %	50	n/a	25	25	25	25	50	25	50	50	25	15	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, NS, Class 25; TT-S-00230C, USDA Approved, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II).

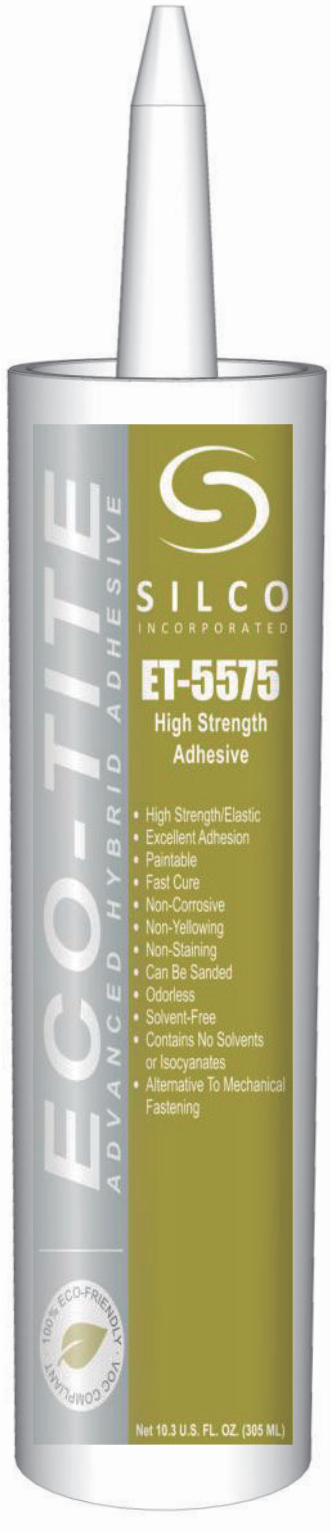
AVAILABLE COLORS: Clear, White, Black, Gray, Bronze, Tan, Sand Beige (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Hybrid, Moisture Cure	
Movement Capability, %	±25%	ASTM C-719
Modulus	High	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.66	
Extrusion Rate, g/min.	320	ASTM C-1183
1/8"orifice @ 50 psi		Modified
Temperature Range	-75˚F to 220˚F	
Intermittent Temperature Range	250˚F	
Accelerated Weathering (2,000 hrs.)	UV-A, No Change	QUV Weatherometer
Skin Over Time (min)	20*	MNA Method
Tack Over Time (min)	40*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	225	ASTM D-412
Elongation %	450-500	ASTM D-412
Durometer Shore A	46	ASTM C-661
Shelf Life (months)	12	
Volatile Organic Content	18 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

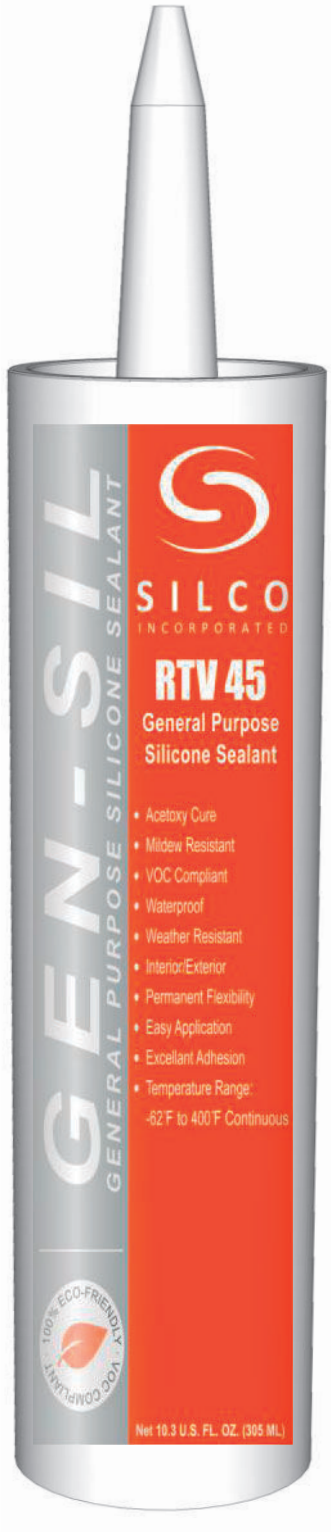
Fasten Exterior Surfaces
Skirt & Panel Adhesive
HVAC/R
Plumbing
Roofing
Kitchen & Bath Countertops
Sanitary Seals
Flooring
Transportation Seals
Marine Cabins
Appliance Trim & Parts
Interior/Exterior Above Grade

MEETS SPECIFICATIONS: N/A
AVAILABLE COLORS: White, Black (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Hybrid, Moisture Cure	
Movement Capability, %	±15%	ASTM C-719
Modulus	High	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.5	
Extrusion Rate, g/min.	350	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)	30*	MNA Method
Tack Over Time (min)	45*	ASTM C-679
Cure Rate	1/8" per 24hrs*	MNA Method
Tensile Strength (psi)	453	ASTM D-412
Elongation %	110	ASTM D-412
Durometer Shore A	72	ASTM C-661
Shelf Life (months)	18	
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.

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

MEETS SPECIFICATIONS: N/A

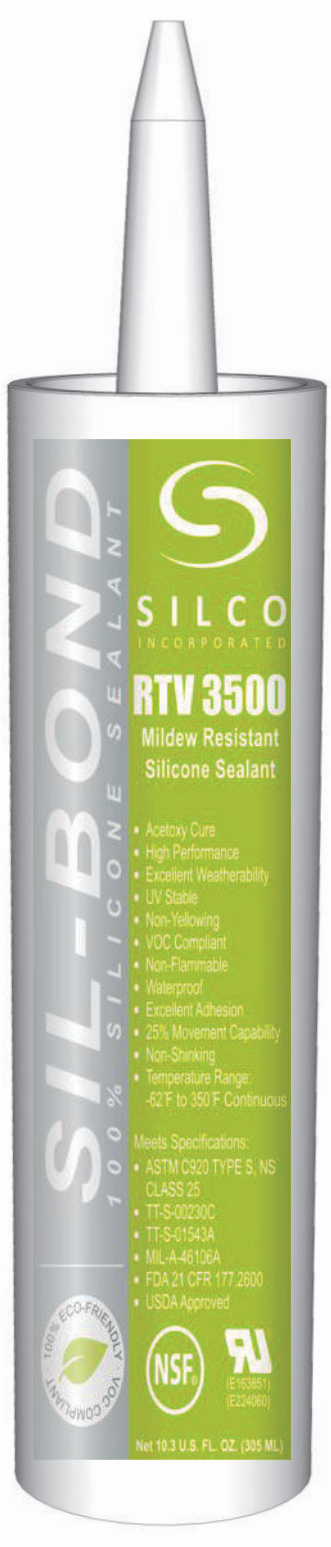
AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Trans White (custom colors available upon request)

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.	750	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)	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./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.

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

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

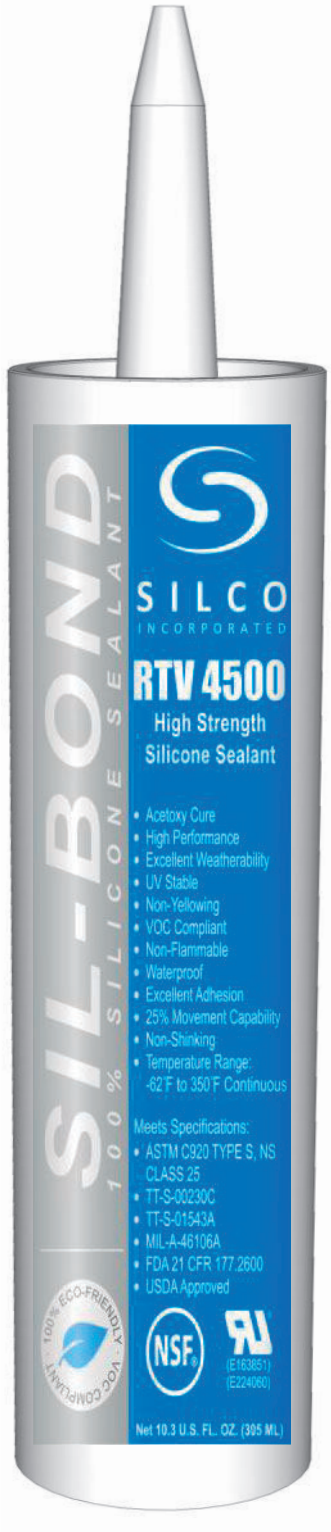
AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Gray, Trans White (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	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./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.

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

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

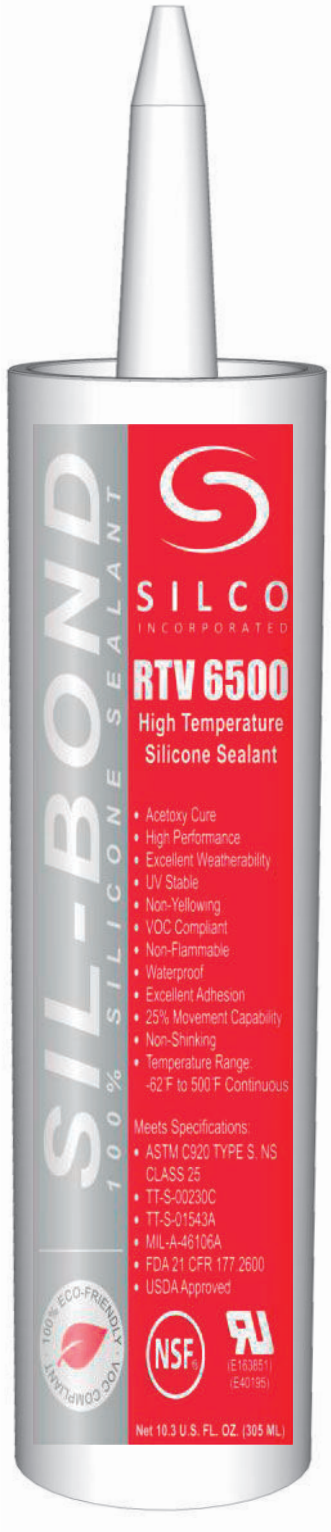
AVAILABLE COLORS: Clear, White, Black, Aluminum, Almond, Bronze, Gray, Trans White (custom colors available upon request)

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Acetoxy	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	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./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.

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

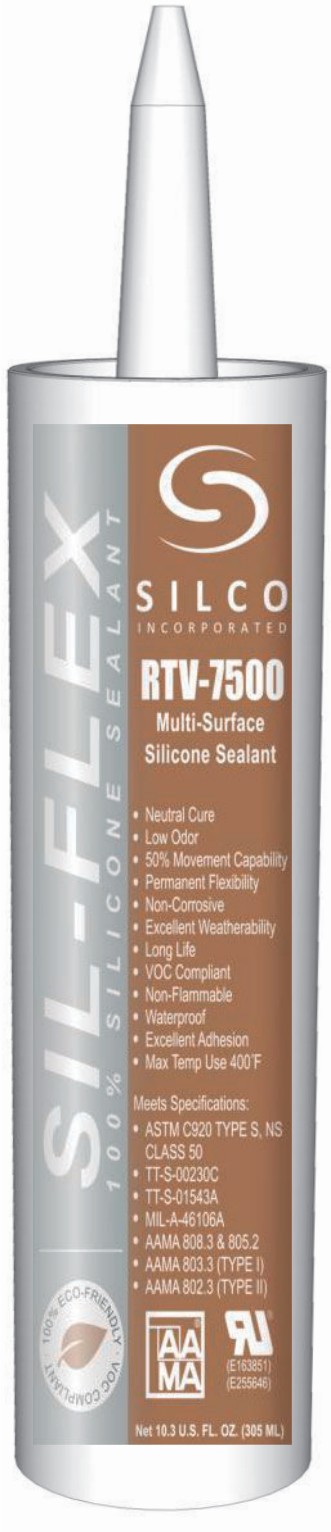
Sealing & Glazing
HVAC/R
Plumbing
Roofing
Kitchen & Bath
Furnace & Fireplace
Flues & Venting
Transportation Seals
Appliance Trim
Interior/Exterior
Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, 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./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.

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
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, 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
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)	12*	MNA Method
Tack Over Time (min)	25*	ASTM C-679
Cure Rate	1/8" per 30hrs*	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)	18	
Volatile Organic Content	40 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.

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.

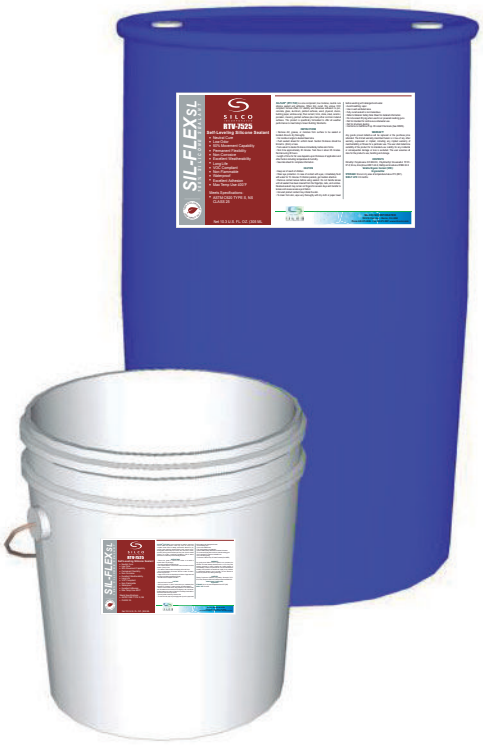
FEATURES & BENEFITS

Self-Leveling
Non-Corrosive
Low Odor
50% 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, NS, Class 25.
AVAILABLE COLORS: Clear, White, Black, Aluminum, Red (custom colors available upon request)

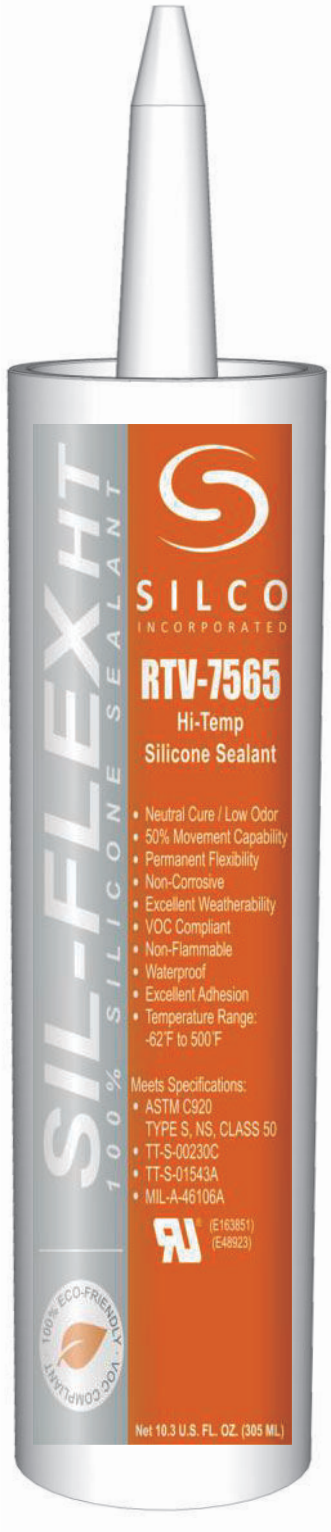


PHYSICAL PROPERTIES		TEST METHOD
Cure System	Neutral/Oxime	
Movement Capability, %	±25%	ASTM C-719
Modulus	Low	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.05	
Extrusion Rate, g/min.	610	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62˚F to 400˚F	
Intermittent Temperature 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./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.

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

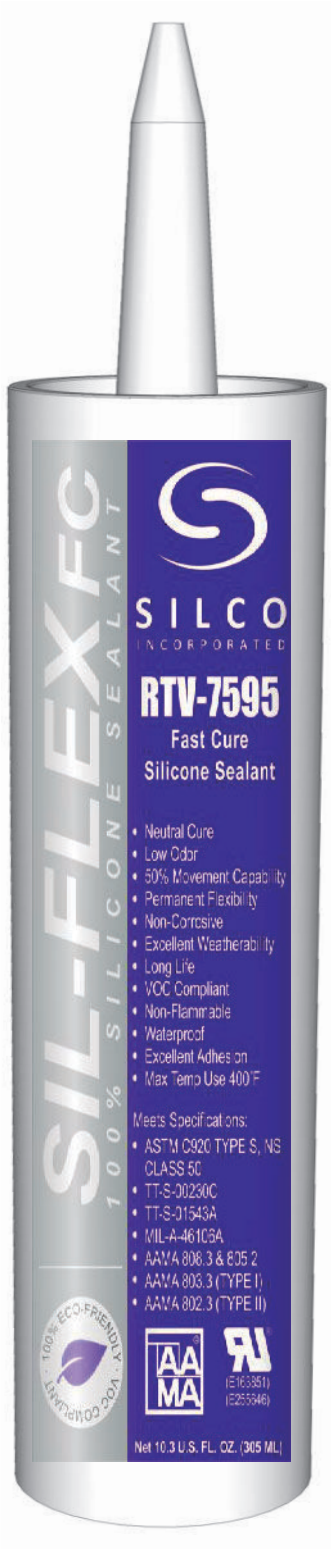
MEETS SPECIFICATIONS: ASTM C920 TYPE S, NS, CLASS 50; TT-S-00230C, TT-S-01543A, MIL-A-46106A, UL Recognized Component.
AVAILABLE COLORS: Red, Black

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./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.

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

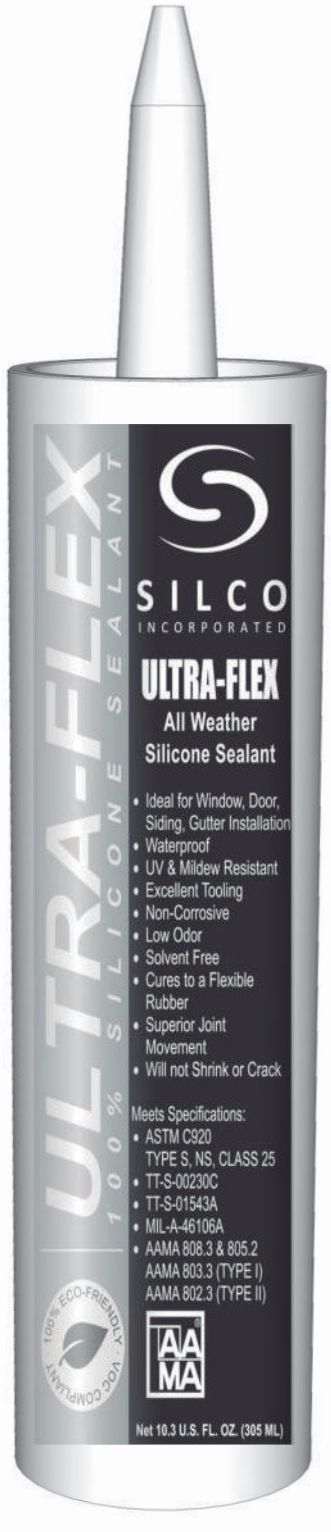
Sealing Openings & Exterior Surfaces
HVAC/R
Plumbing
Roofing
Kitchen & Bath Countertops
Sanitary Seals
Precast Concrete
Industrial Gaskets
Transportation Seals
Marine Cabins
Appliance Trim & Parts
Interior/Exterior Above Grade

MEETS SPECIFICATIONS: ASTM C920 Type S, 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 (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)	18	
Volatile Organic Content	40 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.

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

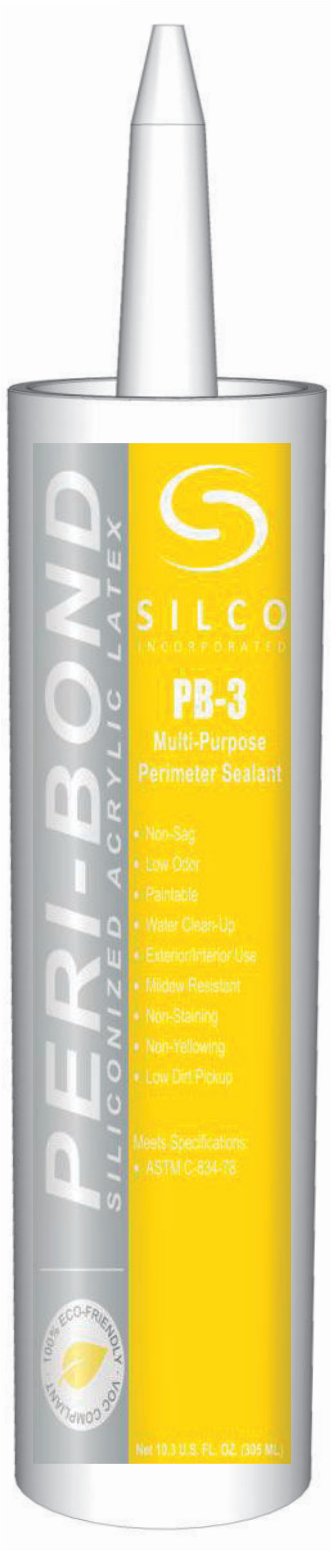
Seal Openings & Exterior Surfaces
HVAC/R
Plumbing
Roofing
Lap Siding & Exterior Trim
Sanitary Seals
Precast Concrete
Industrial Gaskets
Transportation Seals
Marine Cabins
Appliance Trim & Parts
Above Grade

MEETS SPECIFICATIONS: ASTM C920 TYPE S, NS, CLASS 25; 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
Cure System	Neutral/Oxime	
Movement Capability, %	±25%	ASTM C-719
Modulus	Medium	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.35	
Extrusion Rate, g/min.	400	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)	15*	MNA Method
Tack Over Time (min)	25*	ASTM C-679
Cure Rate	1/8" per 30hrs*	MNA Method
Tensile Strength (psi)	310	ASTM D-412
Elongation %	410	ASTM D-412
Durometer Shore A	32	ASTM C-661
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./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.

PERI-BOND PB3 (Latex)



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

MEETS SPECIFICATIONS: ASTM C-834-78
AVAILABLE COLORS: Clear, White, Almond (custom colors available upon request)

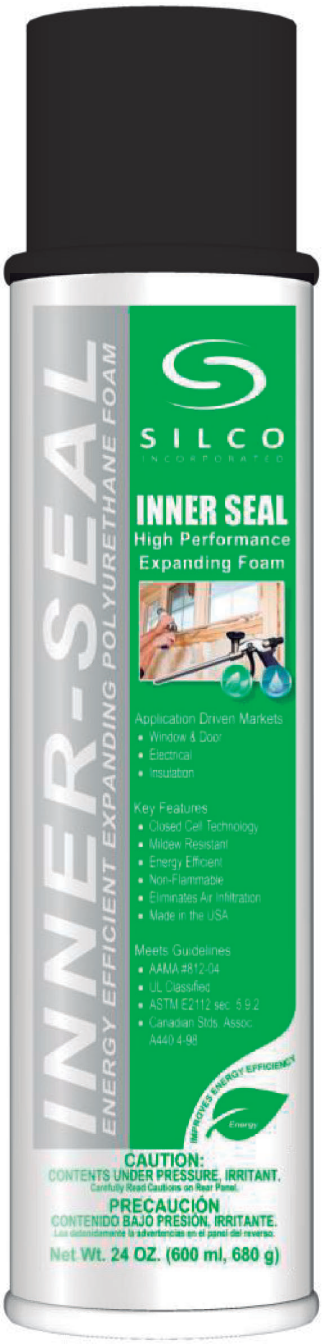
PHYSICAL PROPERTIES		TEST METHOD
Cure System	Siliconized Acrylic Latex	
Movement Capability, %	±10%	ASTM C-719
Modulus	High	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.55	
Extrusion Rate, g/min.	750	ASTM C-1183
1/8"orifice @ 50 psi		Modified
Service Temperature Range	-5˚F to 170˚F	
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./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.

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 Openings & Joints
HVAC/R
Plumbing
Roofing
Insulation
Electrical
Transportation Seals
Marine Cabins
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
Cuttable (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 Inner Seal Foam products and guns.

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. *See product page for specification of each code.

SEALANT COVERAGE

JOINT SIZE	LINEAR FEET SEALED				
D" x W"	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 ¼" (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.

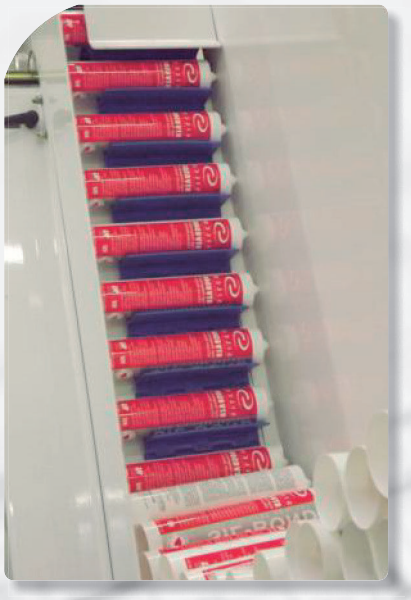
USDA Usage & Status*

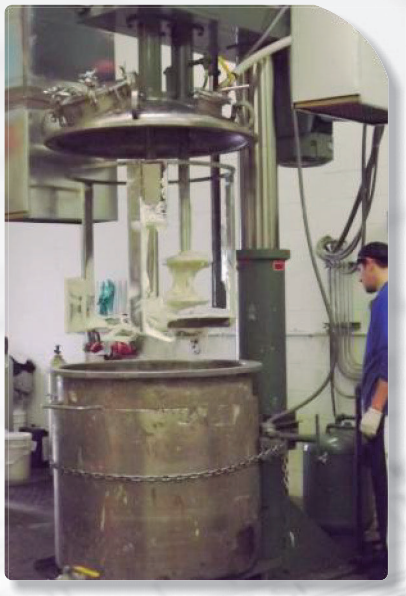
The USDA has on file many key components in Silco products that are authorized for use in federal inspected meat and poultry plants, classified USDA-P1. Sealants must be properly cured and cleaned with potable water prior to use; avoiding direct or indirect contamination of food products.

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.

SILCO Silicones & Hybrids

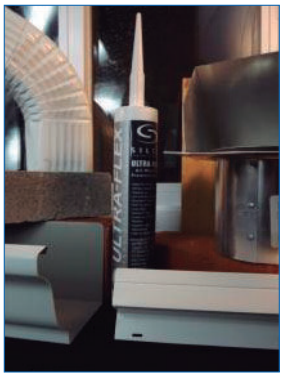




The Possibilities Are Unlimited

SILCO INCORPORATED

Silicones & Hybrids

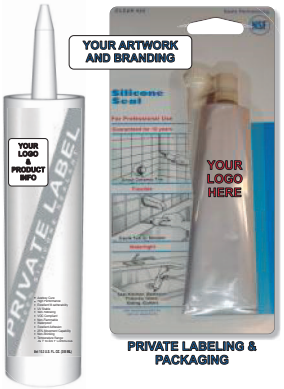


Order Information

Preferred method: orders@silco-inc.com
Phone: 440-975-8886 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, material safety data sheets are available at any time on our website or per request. The MSDS is updated to supply specific product safety and technical information.

Storage & Handling

Silicone sealants and adhesives have a minimum shelf life of 12-24 months from the date of purchase if stored in original, unopened containers below 90˚F. Please see product brochure or MSDS 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 INCORPORATED

Many Silco products contain Industry Listed, Recognized or Verified Components

NSF AAMA 100% ECO-FRIENDLY · VOC COMPLIANT ·