



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

Seves Glass Block Sealant is a one component, low modulus, neutral cure silicone sealant and adhesive specifically formulated to work with Seves Provantage® and Seves Kwik'N EZ® Glass Block Installation Systems. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion to all Seves installation system components. Seves Glass Block Sealant also bonds to a wide variety of building materials including 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.

Performance Features & Benefits:

- Seves Glass Block Sealant is a silicone material that is chemically stable and shows little change in physical properties after exposure to sunlight, rain, snow, ozone, temperature extremes and weathering.
- Seves Glass Block Sealant shows excellent adhesion to PVC/vinyl, fiberglass, wood, anodized aluminum and most architectural coating in use today.
- Seves Glass Block Sealant has unmatched green strength capabilities coupled with fast skin-over and cure characteristics allowing the faster movement of glazed units.
- Seves Glass Block Sealant is a neutral cure silicone with a very low odor.
- Seves Glass Block Sealant is a one-part ready to use material that shows little change in gunnability at temperatures from -35°F (-37°C) to 140°F (60°C) permitting the sealant to be applied in any season.

BASIC USES:

- Perimeter sealing of doors and window framing and other components.
- Shop fabrication of windows and doors.
- Back bedding as well as cap, toe or heel bead applications.

PACKAGING:

Seves Glass Block Sealant is available in 10.3 fluid ounces (0.304 liter) disposable cartridges.



<u>PHYSICAL PROPERTIES</u>	<u>TEST METHOD</u>	
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. 1/8" orifice @ 50 psi	500	ASTM C-1183 Modified
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
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./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.

COLORS:

Seves Glass Block Sealant is available as Clear.

TECHNICAL DATA:

Seves Glass Block Sealant 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. Designed to meet the Florida Hurricane Building Code.

INSTALLATION:

PREPARATORY WORK:

Clean all joints and glazing pockets, removing all foreign matter and contaminants such as grease (from handling), oil, dust, water, frost, surface dirt, old sealants and protective coatings that may interfere with adhesion and good joint performance.

Metal, glass, and plastic surfaces should be cleaned by mechanical or solvent procedures. Detergent or soap and water treatments are not acceptable. In all cases where utilized, solvents should be wiped on and off with clean, oil and lint free, cloths. Clean surfaces using the two-cloth cleaning method using a suitable degreasing solvent using a blend of 50/50 isopropyl alcohol and water or denatured alcohol.

CAUTION:

When using any solvent always follow solvent manufacturers safety and handling recommendations. Always use Seves Glass Block Sealant with adequate ventilation and avoid prolonged breathing of vapors and prolonged skin exposure.

Joint Design: A thin bead of Seves Glass Block Sealant will accommodate more movement than a thick bead. Joint depths of Seves Glass Block Sealant should be no thicker than 1/2 inch (12.77mm) and no thinner than 1/8 inch (3.2mm). For perimeter sealing or expansion joint design, the ratio of the joint width to sealant should be about 2:1

Closed cell polyurethane or polyethylene foam backer rod is recommended for deep joints. Use polyethylene tape on joints too shallow to accommodate foam rod. These materials permit the application of a thin bead and act as bond breakers, which allow the silicone to stretch freely with joint movement.

Priming: Seves Glass Block Sealant is designed to adhere to most surfaces without primer. Consult Seves Glass Block Inc. for priming recommendations on substrates where there is not adequate adhesion. Note: Prior to general job use, place a bead of sealant on the substrate material to test adhesion.

Cleaning: Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured using a commercial solvent such as xylol, toluol, or methyl ethyl ketone. Note: see "Preparatory Work" regarding the use of cleaning solvent. Cured sealant must be removed by mechanical means such as razor knife.

Storage: When stored in the original, unopened containers at or below 90°F (32°C) Seves Glass Block Sealant has a shelf life of 18 months from date of manufactured. For best storage stability keep the material in tightly closed containers when not in use.

WARRANTY:

Seves Glass Block Sealant when used with compatible substrates and when applied within stated shelf life in accordance with manufacturers recommendations for application and joint design, Seves Glass Block warrants that it will perform as a watertight weatherseal for a period of 20 years from the date of purchase. In addition to maintaining the integrity of the weatherseal, the sealant will not change color when used with back-up materials and substrates that have been approved for compatibility by SEVES GLASS BLOCK either after specific testing or noted in a current Seves Glass Block publication.

WARRANTY LIMITATIONS:

This warranty specifically excludes failure of the sealant due to:

- Natural causes such as lightning, earthquake, hurricane, tornado, fire, etc.
- Movement of structure resulting in stresses on the sealant that exceed Seves Glass Block's published specifications for elongation and/or compression for the sealant, whether due to structural settlement, design error or construction error.
- Disintegration of underlying substrate.
- Mechanical damage to sealant caused by individuals, tools, or other outside agents.
- Changes in the appearance of the sealant from

accumulation of dirt or other contaminants deposited on sealant from the atmosphere.

- Building Materials that may bleed oils, plasticizers or solvent materials such as impregnated wood, oil based caulks, green or partially vulcanized rubber gaskets or tapes.
- Surfaces that will require painting, because silicone sealants are not paintable
- Application involving prolonged submersion in water.
- Joint applications where physical abuse or abrasion is likely to be encountered.

REMEDIES: In the event of a claim under this warranty, you must notify **Seves Glass Block** in writing within 30 days of the occurrence of failure. Seves Glass Block's sole liability shall be to furnish sufficient silicone replacement material to restore the integrity of the weather seal. Any labor or other costs associated with the repairs are the responsibility of the owner. Seves Glass Block shall not be liable for and expressly disclaims any damages for the content to its structure for any consequential or incidental damage, whether in contract or in tort, including negligence. This warranty is in lieu of all other written or oral, expressed or implied warranties and Seves Glass Block specifically disclaims any implied warranty of merchantability of fitness for purpose.

Structural:

Seves Glass Block Sealant is not intended for use as a structural glazing adhesive, and Seves Glass Block disclaims any expressed or implied warranty fitness for use in structural applications. Other Seves Glass Block sealants may be used for structural applications after compatibility and adhesion testing and print/specification review by Seves Glass Block. For details on how to obtain the structural warranty, please contact your SEVES GLASS BLOCK representative.

INSIST ON GENUINE SEVES BRAND ACCESSORIES:

Seves Glass Block has been manufacturing glass block products for over 100 years. Our products and accessories have been engineered and tested to provide maximum durability. Use of genuine Seves brand accessories is important to receive a lifetime of enjoyment from all your glass block projects.

Seves Glass Block Inc. has a sales and technical support team that is ready to help you design, engineer and specify glass block solutions. Please visit our website.

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