

SPECTRUM 100% SILICONE CAULKING

Spectrum 100% Silicone is a one-part acetoxy cure adhesive sealant that is suitable for general industrial sealing and adhesive applications. This product will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces.

Spectrum 100% Silicone has good resistance to weathering, vibration, moisture, ozone and extreme temperatures. It may be applied in sub-zero weather without loss of extrusion or physical property characteristics. Fully cured, Spectrum 100% Silicone can be used for extended periods at temperatures up to 450°F (232°C).

BASIC USE:

- For caulking around sinks, tubs, showers, counter tops, baseboards, windows / glass block and door frames.
- For use where tile meets tile or dissimilar surfaces such as where countertops meet backsplashes or floors meet the walls.
- Exceptional adhesive for ceramic tile, glass, stone, wood and marble vanity tops to their bases. (See Limitations)

LIMITATIONS:

- Structural silicone glazing.
- Floor joints where physical abuse or abrasion is likely to be encountered.
- Prolonged water immersion.
- Porous surfaces, such as masonry.
- Building materials that might bleed oils or solvents – materials such as impregnated wood, partially vulcanized rubber gaskets or tapes or adhesives.
- Surfaces sensitive to corrosion by acetic acid vapors (a by product of sealant cure).
- May stain some natural stones. Test in an inconspicuous area if staining is a concern.
- Shelf life is one year.
- Keep from freezing.

APPLICABLE STANDARDS:

- Conforms to the requirements for plastic joint sealants, ASTM-C920.
- When used in a Tile installation, follow EJ 171 in the TCA handbook for treatment of Construction, Expansion, Control and Isolation joints.

LEED CREDITS:

- IEQ Credit 4.1 & 4.2, Low VOC Materials/Adhesives & Sealants = 1 Point
- IEQ Credit 4.3, Low VOC Materials/Flooring Systems = 1 Point
- MR Credit 5, Regional Materials = 2 Points*
(*Determine region before calculating points.)

PACKAGING:

- 10.3 oz. cartridge (10 per case)

INSTALLATION

SURFACE PREPERATION:

- Surfaces must be structurally sound, stable, clean and free from dust, oil, grease, paint, gypsum patch, flooring adhesive, tar, wax, sealers, curing agents and foreign substances that can reduce or impair adhesion.
- Vacuum out joints and wipe the surfaces using a clean, oil-free rag saturated with a solvent such as Xylol Tuluol or Methyl Ethyl Ketone (Note: Fully read instructions before using these products.)

APPLICATION:

- Rubber gloves and proper eye wear are recommended along with proper ventilation.

- Do not open cartridges until preparatory work has been completed.
- Insert cartridge into caulking gun, cut plastic nozzle according to the size of the joint or area of application.
- Apply Spectrum 100% Silicone in a smooth continuous bead and force into joint or area of application.
- Tool the joints within 10 minutes of application. Remove any masking tape "before" a surface skin begins to form.
- For a smooth and uniform appearance, tool with a putty knife.
- Initial cure is reached in 48 to 72 hours depending on temperature and humidity
- Wait a minimum of 7 days before exposing to intermittent water.

CLEAN UP:

- Clean hands with soap and water
- Excess caulking and tools should be cleaned while product is in the uncured state. Use of a commercial solvent such as Xylol Toluol or Methyl Ethyl Ketone is recommended. (Note: Fully read instructions before using these products.)
- Dispose of empty cartridges and saturated sponges according to state and local regulations.
- Unused portion of Spectrum 100% Silicone should be capped and stored in a cool dry place.

TECHNICAL PROPERTIES

Uncured

| | |
|--|---------------|
| Specific Gravity. | 1.03 |
| Colors. | clear & white |
| Slump. | NIL |
| Tack-Free Time (77F & 50%RH) min. | 10-20 |

Cured (7days at 77F + 3F & 50% and + 5% TH)

| | |
|---|------------|
| Elongation. | .425 |
| Durometer, Shore A2. | 25 |
| Tensile Strength. . . 330psi Movement Capacity. . . ± 25% | |
| Extrusion Rate. | 350 gr/min |

APPROXIMATE COVERAGE:

| | |
|---------------------|---|
| 1/16 X 1/16 (joint) | 48 linear feet (per 10.3 oz. cartridge) |
| 1/8 X 1/8 (joint) | 25 linear feet (per 10.3 oz. cartridge) |
| 3/16 X 3/16 (joint) | 17 linear feet (per 10.3 oz. cartridge) |
| ¼ X ¼ (joint) | 13 linear feet (per 10.3 oz. cartridge) |

NOTE: Coverage's shown are given for estimating purposes only. Actual job-site coverage's may vary depending on the joint size and application procedures.

CAUTION

KEEP OUT OF REACH OF CHILDREN

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE AND THROAT.

Note: Consult the Spectrum Mfg. Material Safety Data Sheet (MSDS) for medical and safe handling instructions.

WARRANTY

The recommendations, suggestions, statements and technical data are based on the best knowledge available and are given for informational purposes only and without any responsibility. This warranty is limited to the original owner and may not be enlarged by our sales representatives, written sale information or drawings. Spectrum Manufacturing Corp. and Sellers liability for damages hereunder shall not exceed the purchase price of the goods used. Spectrum Manufacturing Corp. and Sellers warrants only that the goods will be free from defects in material.

