



General Purpose RTV Silicone Sealant

Project 1™ RTV Silicone is a high quality, single-component, silicone sealant providing a waterproof seal in many construction and industrial applications. Suitable for interior and exterior use. It adheres to metal, glass, marble, tile, ceramic, porcelain, painted surfaces, non-oily woods, and rubber. It can be used as an adhesive for bonding surfaces together. Project 1™ RTV Silicone offers long-life reliability, good adhesion, and excellent weatherability.

Typical Properties, As Supplied

RTV.....	Room Temperature Vulcanizing
Colors.....	Clear, White, Black, Aluminum, Almond
Specific Gravity at 77° (25°).....	.98
Extrusion Rate (3.18mm orifice, 90 psi air pressure)g/min.....	350
Flow, Sag, Slump.....	NIL
Application Temperature Range, °F (°C).....	-35 to 140(-37 to 60)
Tooling Time, Minutes.....	5-11
Tack Free Time, Minutes.....	10-20
Cure Time at 77° (25°) and 50% RH (3.18mm thickness),hrs.....	24

Typical Properties, As Cured (7 days)

Durometer Hardness, Shore A, points (ASTM 2240).....	25
Tensile Strength, psi...(ASTM D412).....	325
Elongation , percent (ASTM D412).....	570
Brittle Point, F (C)....(ASTM D746).....	-100(-38)
Tear Strength, ppi.....	25
Temperature Range.....	
Continuous operating temperature, max.....	350° F
Intermittent operating temperature, max.....	450° F

Specifications:

USDA for use in federally inspected meat and poultry plants, FDA reg. #21, CFR 177.2600, Canadian 19-GP-9MA Type 1, ASTM C-920. Conforms to NSF Standard 51.

Limitations - Project 1™ Silicone is not recommended for use in applications involving:

- *Temperatures exceeding 450° F
- *Structural silicone glazing
- *Vinyl windows and/or siding
- *Prolonged water immersion
- *Porous surfaces such as concrete, fiberglass, and some plastics
- *Materials that bleed oils or solvents
- *Surfaces to be painted...conventional paints will not adhere.

Packaging:

Project 1™ Silicone is supplied in a 10.1oz (300ml) caulking cartridge, 5 gallon pails, and 55 gallon drums.

Warranty and Shelf Life:

Each application should be pre-tested for suitability of this product for the intended use. When stored in the original, unopened container at temperatures less than 90° F (32° C). Project 1™ Silicone is guaranteed for one year from date of purchase.