



DP 502

100% RTV SILICONE SEALANT

A high-performance HVAC, industrial, commercial, and residential construction grade 100% Acetoxy RTV Silicone adhesive/sealant with excellent resistance to aging, weathering, and UV degradation. DP 502 will provide long term performance on both interior and exterior applications without sagging or slumping.

Recommended Uses:

DP 502 is recommended on a variety of HVAC substrates including galvanized steel, stainless steel, aluminum, wood, fiberglass, PVC, PVS, and painted substrates.

DP 502 is an excellent sealant and adhesive for many commercial, industrial, and construction applications where a long-term, permanently flexible seal/bond is required.

DP 502 will not sag or slump and can be applied to both vertical and overhead substrates.

Features and Benefits:

- **LEED V4** Qualified
- Non-Slump, Non-Sag
- Mold and Mildew Resistant
- Low VOC
- Weather and UV Resistant
- Flexible, will not shrink or crack
- Indoor and Outdoor Usage

Meets or Exceeds:

- ASTM C920 Type S, Grade NS, Class 25
- ASTM G26
- TT-S 001543A, TT-S 00230C Type II
- FDA Regulation No. 21 CFR177.2600
- NSF Standard 51
- UL Recognized
- MIL-46106 TYPE 1

Directions For Use:

Surface Preparation: Surfaces should be clean, dry and free of dirt, oil and any foreign matter.

Application: Trim nozzle to desired size and break the foil seal inside. Load cartridge into caulking gun. DP 502 can be tooled for up to 15 minutes after application. Under normal conditions, skinning will occur in 10-15 minutes with a full cure in 24 hours (1/8" bead) depending on application rate, humidity, and temperature conditions. The sealant generally reaches maximum adhesion in 7 days. Test per application requirements. High humidity accelerates curing. DP 502 sealant will release an odor until curing is complete.

Technical Data:

Colors: Clear, White, Black, Aluminum Gray

Base: 100% RTV Silicone

Viscosity: Approx. 550,000 to 600,000 cps

Skinning Time: Approx. 10 minutes at 70°F, 50% RH

Shore A Hardness: 25

Tensile Strength: 264 psi

Elongation: 500%

Gun Grade: Pass, Non-Slump

QUV Testing (ASTM G26): Pass 10,000 hours

Application Temperature: -35°F to 150°F

Storage: Store in original unopened container below 90°F. High humidity and high heat can reduce shelf life.

Service Temperature: -50°F to 400°F. Intermittent Temperatures up to 500°F.

Flammability: Non-flammable wet or dry

Flash Point: No flash to boiling

Shelf Life: One Year (unopened container)

Cure Time: 24 hours at 1/8" bead, depending on temperature, humidity, and application

Clean Up: Uncured DP 502 can be cleaned with mineral spirits or denatured alcohol

Painting: DP 502 is not paintable

Packaging: 10 fl. oz. tubes

VOC: 23 g/l



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