

# RUTLAND® Products



F W P G O I

## 500°F RTV High Heat Silicone Sealant

Item 76A, 76, 76C, 76CT

### Features

- Forms a flexible heat-resistant seal
- Does not require heat to cure
- Cures at room temperature
- For interior or exterior use
- Remains flexible in high temperatures
- Meets ASTM C920-86

### Recommended Uses

It may be used around fireplace insert stoves, glass fireplace screens, making solar panel repairs, and applying ceramic tiles. It adheres to glass, metal, most plastics, fiberglass, aluminum, wood, fabric, brick and slate. Use anywhere a permanent elastic rubber seal is needed. Great for creating a gasket like seal on smokers. Will adhere to marble and granite, but test first to ensure compatibility.

### General Description

Rutland 500°F RTV High Heat Silicone Sealant forms a tough rubbery seal. It remains flexible in temperatures up to 450°F continuous and 500°F intermittently. Great for high humidity areas, like a steam shower or hot tub.

### Limitations

It cannot be painted. Keep out of direct contact with flame. Might corrode zinc, copper, galvanized steel, or brass. Provide ventilation until cured, as a vinegar-like odor is produced. Silicone is not mildew resistant. Do not use in fish tanks. Powder coating will not adhere to silicone.

## Product Information

### Surface Prep and Application:

Surface must be clean, dry and free of dirt, oil, grease and rust.

Remove cap and cut nozzle to desired size opening at an angle. If using cartridge, puncture inner seal and put cartridge in a standard caulking gun. Apply by pushing sealant ahead of nozzle. It cures tack-free in minutes and fully cures in approximately 24 hours.

Will adhere to stainless steel and rubber. Will repel water after curing. Low VOC's. Tensile Strength is 319 psi. Can be tooled with a putty knife. UV stable and will not fade with sun exposure.

Must completely dry before putting in a nitrogen environment. Will stay flexible down to -45°F (-42°C). Once cured the Shore Type A is 24. No chlorinated compounds are released.

Product Usage Key:



Indoor



Outdoor



Pellet Stove



Gas Fireplace



Fireplace



Woodstove

## Clean Up:

Before curing, wipe off surface with clean paper towel or cloth. Once cured, the excess must be removed by cutting or scraping off.

## Coverage:

- 65 ft of 3/16" bead per 10.3 fl oz. cartridge
- 16 ft of 3/16" bead per 2.7 fl oz. tube

Typical Physical Properties	
<b>Application Temperature:</b> 30°F - 100°F	<b>Elongation:</b> 400%
<b>Flashpoint:</b> Open cup > 212°F	<b>Joint Movement Capability:</b> + 25%
<b>Tooling Time:</b> 5 - 10 minutes	<b>Odor:</b> Vinegar-like odor
<b>Tack-free Time:</b> 1 hour	<b>Colors; Black:</b> 76, 76A <b>Clear:</b> 76C, 76CT
<b>Cure Time:</b> Usually 24 hours	<b>Storage/Handling:</b> Store below 90°F

## Warranty & Limited Remedy:

This product will be free from defects in material and manufacture for a period of eighteen (18) months from the date of manufacture. Rutland Fire Clay Company makes no other warranties including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the Rutland Fire Clay Company product is fit for a particular purpose and suitable for user's application. If this Rutland Fire Clay Company product is defective within the warranty period stated above, your exclusive remedy and Rutland Fire Clay Company's sole obligation shall be, at Rutland Fire Clay Company's option, to replace the Rutland Fire Clay Company product or refund the purchase price of the Rutland Fire Clay Company product.

## Limitation of Liability:

Except where prohibited by law, Rutland Fire Clay Company will not be liable for any loss or damage arising from this Rutland Fire Clay Company product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory.

## Cautions:

Direct contact with uncured sealant irritates eyes and may irritate skin. Overexposure to vapor may irritate eyes, nose, and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. In case of eye contact, flush with water for at least 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush skin with water. Sealant releases acetic acid (vinegar-like odor) during cure.

KEEP OUT OF REACH OF CHILDREN.

Please direct all inquiries regarding performance of this product to:

## Rutland Products

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