



- Great for exterior and interior sealing
- Permanently flexible
- Will not shrink or crack
- Waterproof
- Mold/mildew resistant
- Invisible to UV light
- Excellent adhesion to most building substrates
- Will not sag or slump
- Completely cured within 48 hours
- Tack-free in 10 minutes
- Excellent tooling properties
- No solvents or odor (50-state VOC compliant)
- Will not freeze

# NOVA FLEX SILICONE

## Metal Roof Sealant

NovaFlex Metal Roof Sealant is a non-corrosive, single-component, oxime-cured, silicone sealant and/or adhesive. This product is a general purpose compound that is used most frequently as a seam sealant or joint filler in metal roof systems.



NovaFlex Metal Roof Sealant is a single-component, high-solid, low-odor material. It cures to a low modulus, flexible, and durable rubber-like solid. NovaFlex Metal Roof Sealant will develop primerless adhesion to most common construction substrates, and the neutral cure is compatible with most materials.

**Recommended for Sealing:** Metal siding/metal roofs, gutters, wood, steel, chimney flashing, snow guards, pipe boots, and downspouts/trim.

### Adheres to:

- |                          |               |                    |
|--------------------------|---------------|--------------------|
| • Lap Joints             | • Metal Roof  | • Stucco           |
| • Pipe Boots             | • PVC/PVDF    | • Roof Flashing    |
| • Trim                   | • Snow Guards | • Downspouts       |
| • Copper (exposed areas) | • Single-Ply  | • Roof Tile        |
| • Metal Siding           | • Gutters     | • Termination Bars |
|                          | • Aluminum    |                    |

### Color Match

NovaFlex Metal Roof Sealant is color matched to over 70 industry standard colors for major siding, trim coil, window, and metal roof manufacturer colors

Visit [novagard.com/novaflex/metal-roof-sealants/](http://novagard.com/novaflex/metal-roof-sealants/) for our metal roof manufacturer color cross reference tool.



Made in USA. Professional Grade.



## TECHNICAL INFORMATION

**Appearance:** Colored paste

**Application Temperature:** -20°F to 160°F

**Service Temperature:** -40°F to 400°F

**Adhesion:** Excellent to most common building materials

**Consistency:** Non-sag

**Bridging Ability:** Excellent, bridges gaps to 3/8"

**Gunning Ability:** Easy to gun

**Durability:** +/- 35-50% depending on color/formulation

**Flexibility:** Very good

**Water Resistance:** Good, not to be submerged

**Exterior Weathering:** Excellent

**Aging:** Excellent

**Not Recommended:** For surfaces that are to be painted, for joints submerged under water

**Freeze-Thaw Stable:** Will not freeze

**Odor:** None

**Skin Time:**

40 minutes (40°F/40% relative humidity)

10 minutes (75°F/50% relative humidity)

5 minutes (95°F/95% relative humidity)

**Cure Through Time:**

5 days (40°F/60% relative humidity)

48 Hours (75°F/50% relative humidity)

**Solids:** 97%

# NOVAGARD

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Effective Date: July 2018

# NOVAFLEX SILICONE

## Metal Roof Sealant

### Product Specifications

Physical Property	Test Method	Performance Range Type I - Class 35	Performance Range Type II - Class 50
Appearance		Colored Paste	Colored Paste
Viscosity	Brookfield #7 @ 10 rpm	3500-7000 poises	4500-8000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 80 grams/minute	30 - 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours	48 hours

### Typical Properties\*

Physical Property	Test Method	Typical Value Type I - Class 35	Typical Value Type II - Class 50
Specific Gravity		1.00 - 1.05	1.15 - 1.25
Tensile Strength	ASTM D412	140 - 200 psi	170 - 220 psi
Elongation	ASTM D412	500 - 650%	800 - 1000%
Tear Resistance	ASTM D624	30 - 35 pli	30 - 35 pli
Shore Hardness	ASTM D2240	20 +/- 5	25 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 205°C)	-40°F to 400°F (-40°C to 205°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35 Use NT, M, G, A, O	Type S Grade NS Class 50 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	12 - 15 pli 10 - 14 pli 12 - 15 pli	12 - 15 pli 10 - 14 pli 12 - 15 pli

\*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional information.

### Packaging Information

NovaFlex Metal Roof Sealant is available in 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

### Specifications

Meets or exceeds ASTM C-920, TT-S-001543A and TT-S-230C. AAMA 803.3 (I), 805.2 C, 808.3.

### Disposal

Consult and obey all applicable local, state, and federal regulations. For additional information, consult product Safety Data Sheet.

### Precautions

For additional information consult product Safety Data Sheet. Not recommended for surfaces that are to be painted. Not recommended for joints submerged under water.

### Professional Grade

Made with pride in  
Cleveland, Ohio

