



- 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 medium 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/ 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

Sealants | Foams | Coatings | Thermals

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ISO 9001:2015, IATF 16949:2016

Effective Date: November 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

