

NOVAFLEX SILICONE

Metal Roof Sealant



- Neutral cure silicone
- Excellent adhesion
- Permanently flexible
- Extrudes to -20°F
- Adheres to:
 - Metals
 - Wood
 - Masonry
 - PVC/PVDF
 - Common Construction Materials
- Also used as
 - Gutter Sealant
 - Chimney Flashing
 - Snow Guard
 - Pipe Boots

| | | | | |
|-----------------------|---------------------------|------------------------|--------------------------|------------------------------|
| | | | | |
| MR150 TRANSLUCENT | MR101 BLUE WHITE | MR100 WHITE | MR105 ANTIQUE WHITE | MR3401 EGGSHELL |
| | | | | |
| MR146 STONE | MR3461 ALMOND | MR191 SANDSTONE | MR3482 SAND | MR3404 WHEAT |
| | | | | |
| MR3333 SIERRA TAN | MR3201 COPPERTONE | MR157 COPPER | MR184 TERRACOTTA | MR182 RED |
| | | | | |
| MR180 BRANDYWINE | MR196 REGAL RED | MR171 REGAL BLUE | MR3801 PACIFIC BLUE | MR3510 WEATHERED ZINC |
| | | | | |
| MR197 PATINA GREEN | MR3702 HEMLOCK GREEN | MR169 GREEN | MR168 HARTFORD GREEN | MR115 LIGHT GRAY |
| | | | | |
| MR3514 GUTTER GRAY | MR4103 SILVER METALLIC | MR156 SILVER | MR118 SLATE GRAY | MR3421 CHAMPAGNE METALLIC |
| | | | | |
| MR155 CHAMPAGNE | MR117 GUNMETAL GRAY | MR134 MEDIUM BRONZE | MR137 BROWN | MR131 CHOCOLATE BROWN |
| | | | | |
| MR120 DARK BRONZE | MR121 LINCOLN BRONZE | MR126 CHARCOAL GRAY | MR194 EXTERIOR BRONZE | MR110 BLACK |

Colors shown for illustrative purposes. Verify product color match before applying.



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 | ASTM D903 | | |
| Glass | | 12 - 15 pli | 12 - 15 pli |
| Aluminum | | 10 - 14 pli | 10 - 14 pli |
| Vinyl | | 12 - 15 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.

Permanently Flexible

- Will not shrink or crack
- Waterproof
- Mold/Mildew resistant
- Invisible to UV light

Interior and Exterior Applications

- Excellent adhesion to most building substrates
- Completely cured within 48 hours
- Will not sag or slump
- Tack-free in 10 minutes

Easily Gunned at all Temperatures

- Weatherproof plastic cartridges with removable tips
- Excellent tooling properties

VOC Compliant in all 50 States (Green Building Compliant)

- Low odor
- Solvent free

AAMA Verified for Window Installs

- Will not freeze
- Available in all major siding, trim coil, window, and metal roof manufacturer colors
- 18 month shelf life

Professional Grade



Sealants | Foams | Coatings | Thermals

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ISO 9001:2015 (QMS with Design)
IATF 16949:2016 (QMS with Design)



NovaFlex is proudly made in Cleveland, OH
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