

Made in the USA. Trusted on every build.

NOVAGARD
PERFORMANCE SILICONES



Proven silicones & hybrids
for windows, doors, gutters, metal roofs, and more!



Why Silicone Wins the Build

1
Best Choice

Silicones

Inorganic – will NOT degrade over time
Permanently flexible – no shrinking or cracking

2

Hybrids

Organic - will degrade over time
Solvent free, low VOC, low shrinkage, hardens after cure

3

Polyurethanes

Organic – will degrade over time
Hard to work with, needs primer before applying on many substrates

4

Solvent Based

Organic – will degrade over time
Strong odor, hard to work with/clean up, solvents evaporate, causing shrinking or cracking

5

Latex, Acrylics, Water Based

Organic – will degrade over time
Water in formulation causes shrinkage & will wash away if it rains within 48 hours of install

NovaFlex® Silicones Built for the Jobsite

Silicone is the advantage — NovaFlex is how you install it with confidence.

Novagard's premier NovaFlex silicone sealants are designed to work as hard as contractors do. They gun smoothly, tool cleanly, and deliver consistent color matching across a wide range of manufacturer finishes. **The result: a clean install, long term performance, and fewer callbacks.**

Why Contractors Choose NovaFlex Silicones

- **Permanent flexibility** — won't shrink, crack, sag, or slump
- **Waterproof, weather-tight seal** for long term protection
- **UV resistant** — holds up to sun exposure without breakdown
- **Mold and mildew resistant**
- **Low odor, solvent free** — VOC compliant in all 50 states
- **Excellent adhesion** to most common building substrates
- **Easy gunning in any temperature** — from blistering summer heat to bitter cold mornings
- **Smooth tooling** for a clean, professional finish
- **Interior and exterior applications**
- **Durable plastic cartridges** that won't soften or fail when wet

Built for Contractors. Trusted on the Jobsite.

Contractors manage every phase of the build — from selecting the right materials to delivering a finished job customers can trust. With so many variables on the jobsite, dependable products make all the difference.

That's why contractors who know trust Novagard. Our contractor-friendly silicone solutions are engineered to install easily, perform reliably, and help you finish the job right the first time.

NovaFlex. Easy to Gun. Built to Last.





- Superior UV resistance
- No solvents or odors
- All weather formula -20°F to 160°F
- Waterproof, rain safe in 1 hour
- Permanently flexible
- Mold/mildew resistant
- Will not shrink or crack
- Easily gunned at all temperatures
- 24 month shelf life
- 20 year limited warranty
- Available in 10 oz cartridges, 20 oz sausage packs

Delivering the outstanding performance you've relied on from Novagard,

NovaFlex Pro Premium Adhesive Sealant

can handle any job and offers superior adhesion that bonds to most building materials without corroding. It's formulated for window & door assembly, glazing, and backbedding. Also used for interior and exterior applications such as installing windows, doors, siding, metal roofs & panels.



Sealing windows, doors, siding, trim, metal roof & panels, rivets, gutters, corner joints, and screw heads. Window and door assembly. Glazing and backbedding.

CLASS
50
SEALANT

STANDARD COLOR CHART



MADE TO ORDER COLORS AVAILABLE UPON REQUEST.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range Type I - Class 35	Performance Range Type II - Class 50
Appearance		Paste (Trans & Metallics)	Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	3,500-7,000 poises	4,500-8,000 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 - 15 minutes	5 - 15 minutes
Shelf Life		24 months - cartridge 18 months - sausage	24 months - cartridge 18 months - sausage

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Type I - Class 35	Typical Value Type II - Class 50
Specific Gravity		1.03	1.20 - 1.25
Tensile Strength	ASTM D412	150 psi	200 psi
Elongation	ASTM D412	575%	730%
Tear Resistance	ASTM D624	33 pli	33 pli
Hardness (Shore A)	ASTM D2240	15	25
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)	48 hours (14 days for OEM window applications)
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°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		13 pli	24 pli
Aluminum		12 pli	24 pli
Vinyl	ASTM C794	13 pli	25 pli

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



- Easy to gun and tool
- Paintable in 30 min
- UV resistant
- No solvents or odors
- Can be applied in all weather -10°F to 122°F
- Permanently flexible
- Better resistance to yellowing
- Will not sag or slump
- Excellent weathering properties
- No shrinking or cracking
- Resists dirt pickup
- Safe for indoor/outdoor applications
- Bonds to a variety of substrates without priming
- 24 month shelf life
- Available in 10 oz cartridges, 20 oz sausage packs

The premium choice
for assembly of wooden windows,

NovaBond® Pro Premium Hybrid Sealant

provides high strength adhesion for ultimate sturdiness, and when cured, achieves a surface hardness consistent with wood and is paintable in 30 minutes.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	2,000 - 7,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	≥ 50 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	10 - 45 minutes
Shelf Life		24 months - cartridge 18 months - sausage

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.40- 1.50
Tensile Strength	ASTM D412	200 - 325 psi
Elongation	ASTM D412	250 - 475%
Hardness (Shore A)	ASTM D2240	45 - 55
Through Cure	3/8" @ 50% RH & 77°F	7 days
Adhesion		
Glass		>15 pli
Aluminum		>20 pli
Wood		>15 pli
PVC		>15 pli
PFDF		>25 pli
Concrete		>15 pli
Joint Movement	ASTM C719	+/- 35
UV Exposure	ASTM G154 (2,000 hours UV-A)	Pass

SPECIFICATIONS: Meets or exceeds the performance characteristics of ASTM C-920, Type S, Grade NS, Class 35, use NT, M, G, A, and O. AAMA 802.3 (II), 803.3 (I), 805.2 C, 808.3 (I).



- 100% neutral cure silicone
- Fuller body formula
- Superior UV resistance
- Excellent adhesion to most common construction materials
- Extrudes from -20°F to 160°F
- Mold/mildew resistant
- All weather formula
- Solvent free
- Available in 10 oz cartridges

The ultimate waterproofing solution
plus so much more,

NovaFlex Gutter Plus Premium Silicone Adhesive Sealant

creates a durable, flexible seal
that won't crack, shrink, or degrade over time.
Ideal for metal, vinyl, and wood surfaces it bonds
quickly to seal joints, seams, and small gaps, and is
perfect for preventing leaks in any season.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Translucent, White, Gray)
Viscosity	HB #7 @ 10 rpm	7,000 - 15,000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity	ASTM D1475	1.00 - 1.05
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	400 - 450%
Tear Resistance	ASTM D624	20 - 25 pli
Hardness (Shore A)	ASTM D2240	20 - 25
Through Cure	3/8" @ 50% RH & 77°F	48 hours
Service Temperature		-40°F to 400°F (-40°C to 204°C)
Application Temperature		-20°F to 160°F (-29°C to 71°C)
Adhesion Aluminum PVC Wood	ASTM C794	>8.5 pli >12.5 pli >7.5 pli
Lap Shear Adhesion Gutter Material	ASTM D1002	90 psi



- Rain safe in 1 hour
- Completely cured in 24-48 hours
- Extrudes from -20°F to 160°F
- UV and mold/mildew resistant
- Permanently flexible
- All weather formula
- Solvent free
- Available in 10 oz cartridges, 3 oz squeeze tubes

Cures even when wet
and remains flexible for a permanent seal,

NovaFlex Gutter Sealant

is a non-sag formula that is ideal for the assembly, repair, and sealing of gutters. Functioning as both an adhesive and a sealant, it bonds to most common substrates without the need for a primer.



PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range	Performance Range
Appearance		Paste (White, Gray)	Paste (Translucent)
Viscosity	HB #7 @ 10 rpm	2,250 - 8,000 poises	3,500 - 7,000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	< 1 hour	5 - 10 min

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Paste	Typical Value Semi-Self Leveling
Specific Gravity	ASTM D1472	1.32	1.03
Tensile Strength	ASTM D412	225 psi	150 psi
Elongation	ASTM D412	675%	575%
Hardness (Shore A)	ASTM D2240	30	15
Through Cure	3/8" @ 50% RH & 77°F	< 30 hours	48 hours
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)
Application Temperature		-20°F to 160°F (-29°C to 71°C)	-20°F to 160°F (-29°C to 71°C)
Adhesion			
Steel	ASTM C794	19 pli	8 pli
PVC		20 pli	13 pli
Aluminum		19 pli	13 pli
Lap Shear Adhesion Gutter Material	ASTM D1002	122 psi	300 psi

Novagard. Performance you can trust.

From windows and doors to gutters and metal roofs, Novagard delivers silicone solutions contractors can rely on. Manufactured in Cleveland, Ohio, our sealants are engineered for real world installations—easy to apply, built to last, and proven to reduce callbacks. When performance, consistency, and long term durability matter, the pros trust Novagard to help get the job done right the first time.

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ISO 9001:2015 QMS (with design), IATF 16949:2016 QMS (with design) | Certified Women's Business Enterprise

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

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