

NOVAFLEX SILICONE

Multi-Purpose Adhesive Sealant



- 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

NovaFlex Multi-Purpose Adhesive 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 within the window and door industry as glazing or structural back-bedding.



NovaFlex Multi-Purpose Adhesive Sealant is a premium all-weather medium modulus silicone that stays flexible and is resistant to cracking and discoloration. The cured sealant resists mildew. This premium all-weather silicone is tack free in 10 minutes and is completely cured in up to 2 days.

Recommended for Sealing: Windows, doors, door sills, head expanders, flashing, cap beading, reglazing broken/defective glass, gutters, nail fins, fiber cement, vinyl siding, and trim coil.

Adheres to:

- Vinyl
- Concrete
- Fiber Cement
- Brick
- Masonry
- Steel
- Fiberglass
- Wood
- Ceramics
- Aluminum
- Stone
- Building Paper
- RV
- Marine
- Single-Ply

Color Match

NovaFlex Multi-Purpose Adhesive Sealant is color matched to over 170 industry standard colors for major siding, trim coil, and window manufacturer colors.

Visit novagard.com/color-match-product/multi-purpose/ for our siding and trim 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 to -10°F

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%

Flash Point: 400°F

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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.

Packaging Information

NovaFlex Multi-Purpose Adhesive 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

NOVAGARD
SILICONE | HYBRIDS | FOAM

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

Effective Date: Mar 2020-v2.1

Proudly made in
Cleveland, Ohio

