

NOVAFLEX SILICONE

Twilight Adhesive Sealant



NovaFlex Twilight Adhesive Sealant is a non-corrosive, single-component, oxime-cured, silicone sealant and/or adhesive. This product is a general purpose compound that is ideal for use in applications where color isn't critical.

NovaFlex Twilight is created when our production line switches from one color to the next. During that transition period, the sealant meets our stringent performance and quality standards, but doesn't match our exact color guidelines.



- Ideal for hidden applications where color doesn't matter
- 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 Twilight Adhesive Sealant is a premium all-weather medium modulus silicone that stays flexible and is resistant to cracking and mildew. This premium all-weather silicone is tack free in 10 minutes and is completely cured in up to 2 days.

Recommended for Sealing: Locations where the adhesive is hidden.

Adheres to:

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

The quality you demand at a fraction of the price: These cartridges, along with any discontinued colors, are labeled a Twilight Product and sold at a fraction of our normal list prices.



Made in USA. Professional Grade.



Twilight Adhesive Sealant

Product Specifications

Physical Property	Test Method	Performance Range Type I - Class 35	Performance Range Type II - Class 50
Appearance		Paste (Various Colors)	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 - 10 minutes	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)	48 hours (14 days for OEM window applications)

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 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 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 Twilight Adhesive Sealant is available in 10 ounce cartridges.

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



Proudly made in Cleveland, Ohio

TECHNICAL INFORMATION

Appearance: Colored paste

Application Temperature: -20°F to 160°F (-29°C to 71°C)

Service Temperature: -40°F to 400°F (-40°C to 204°C)

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, any location where a color match is critical.

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:

48 Hours (75°F/50% relative humidity)
(14 Days for OEM window applications)

Solids: 97%

Flash Point: 400°F



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