



- High tensile strength
- Low reactivity
- Miami-Dade  
(Part of impact resistant systems for windows)
- Excellent chemical resistance
- Excellent UV resistance
- Deep section cure
- Excellent adhesion to various substrates
- High elongation

# NOVA FLEX SILICONE

## Ultra-Low Migration High Impact Glazing Sealant

NovaFlex Ultra-Low Migration High Impact Glazing Sealant is a non-corrosive, single-component, oxime silicone sealant and/or adhesive. A non-flowable, paste product, it presents an excellent balance between rate of cure, adhesion, and physical properties. It is designed to have ultra-low plasticizer migration into the IG secondary seal. This protects other window components from attack and degradation. This conforms to the new recommendation of IG manufacturers on all Impact Window fabrication to ensure a long-lasting seal. This product has been approved as part of the system to obtain Miami-Dade and HVHZ approval for glazing applications.



NovaFlex Ultra-Low Migration High Impact Glazing Sealant functions as an adhesive sealant, which develops bond to most common substrates without the use of a primer. This ready-to-use, single-component compound is typically used as an adhesive to bond dissimilar materials, as a sealant for creating formed-in-place gaskets, or a multitude of other applications. It emits a lower odor than conventional acetoxy-cured silicones.

**Recommended For:** Window manufacturing/glazing for window systems built to Miami-Dade standards, and other glazing applications requiring high tensile strength.

**Color Match:** NovaFlex Ultra-Low Migration High Impact Glazing Sealant is available in Translucent, Gray, or Black, or can be custom matched to any color.



MXI150  
TRANSLUCENT



MXI119  
GRAY



MXI110  
BLACK

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



Made in USA. Professional Grade.



## TECHNICAL INFORMATION

**Appearance:** 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

**Consistency:** Non-sag

**Coverage:** 28 linear feet using 1/4" bead  
or 14 linear feet using 3/8" bead

**Flexibility:** Very good, to -10°F

**Water Resistance:** Very good

**Exterior Weathering:** Excellent

**Aging:** Excellent

**Not Recommended:** For areas needing paint or stain; Joints continuously submerged under water; 4-sided butt joint glazing

**Freeze-Thaw Stable:** Will not freeze

**Odor:** Low odor (less than 50 g/l (<4% by weight). VOC compliant in all 50 states.

**Skin Time:** 5 - 10 minutes  
(77°F/50% relative humidity)

**Cure Through Time:** 28 days  
(77°F/50% relative humidity)  
in OEM window applications



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

Effective Date: Sep 2020-v1.7



## Ultra-Low Migration High Impact Glazing Sealant

### Product Specifications

Physical Property	Test Method	Performance Range
Appearance	-	Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	5,000 - 15,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 60 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (28 days for OEM window applications)

### Typical Properties\*

Physical Property	Test Method	Typical Value
Specific Gravity	-	1.05 - 1.10
Tensile Strength	ASTM D412	400 - 500 psi
Elongation	ASTM D412	400 - 500%
Tear Resistance	ASTM D624	30 - 35 pli
Shore Hardness	ASTM D2240	40 +/-5
Adhesion Glass Aluminum Wood	ASTM D903	14 - 18 pli 14 - 18 pli 14 - 18 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 Ultra-Low Migration High Impact Glazing Sealant is available in 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

**Specifications:** Meets or exceeds the performance characteristics of AAMA 803.3 (I), 808.3.

**Disposal:** Consult and obey all applicable local, state, and federal regulations. For additional information, consult product Safety Data Sheet.

**Precautions:** Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides. Not recommended for surfaces that are to be painted.

Professional Grade



Proudly Made  
in Cleveland, Ohio