- 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

VOC COMPLIANT ENVIRONMENTALLY RESPONSIBLE · CALIFORNIA PROPOSITION 65 COMPLIANT · REACH COMPLIANCE · AAMA VERIFIED

NOVAFLEX SILICONE

Ultra-Low Migration High Impact Sealant

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

Made in USA. Professional Grade.

TECHNICAL INFORMATION

Appearance: Paste

Application Temperature: -20°F to 160°F

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, IATF 16949:2016

Effective Date: November 2018

NOVAFLEX SILICONE

Ultra-Low Migration High Impact Sealant

Product Specifications

Physical Property	Test Method	Performance Range
Appearance	-	Various Colors
Viscosity	Brookfield #7 @ 10 rpm	500,000 - 1,500,000 cPs
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 Minutes
Through Cure	3/8" @ 50% RH & 77°F	28 days for OEM window applications

Typical Properties*

Physical Property	Test Method	Typical Value
Specific Gravity	-	1.05 - 1.1
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	ASTM D903	
Glass		14 - 18 pli
Aluminum		14 - 18 pli
Wood		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 High Impact Migration 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

Made with pride in Cleveland, Ohio