

NovaFlex® Ultra-Low Migration High Impact Sealant Specification Data



DESCRIPTION

NovaFlex Ultra-Low Migration High Impact Sealant is a non-corrosive, single-component, oxime silicone sealant and/or adhesive. A non-flowable, paste product, NovaFlex Ultra-Low Migration High Impact Sealant presents an excellent balance between rate of cure and physical properties. It is designed to have ultra-low plasticizer migration. It emits a lower odor than conventional acetoxy cured silicones. Miami-Dade Approved: This high-strength sealant is approved as part of a window system used in the Miami-Dade approval process.

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.

STANDARDS

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

INSTALLATION

As with all single component materials, worklife and cure times of NovaFlex Ultra-Low Migration High Impact Sealant are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production. For OEM application through cure is 28 days and greatly depends on ambient conditions.

AVAILABILITY

NovaFlex Ultra-Low Migration High Impact Sealant is available in 10 ounce cartridges, 20 oz. sausage packs, 5 gallon pails, and 55-gallon drums.

STORAGE

NovaFlex Ultra-Low Migration High Impact Sealant has a shelf life of eighteen (18) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below, 75°F.

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for disposal of solvent and silicone waste. For additional information consult product SDS.

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.

LIMITATIONS

Not recommended for: Joints continuously submerged under water; Areas needing paint or stain.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Varies
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 application

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 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

ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy and safety.