

NovaFlex® Ultra-Low Migration Glazing Sealant Specification Data



DESCRIPTION

NovaFlex Ultra-Low Migration Glazing Sealant is a non-corrosive, single-component, neutral cure silicone sealant and/or adhesive. A non-flowable, paste product, NovaFlex Ultra-Low Migration Glazing 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 acetoxycured silicones.

APPLICATIONS

NovaFlex Ultra-Low Migration 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.

STANDARDS

Meets or exceeds the performance characteristics of AAMA 803.3 (I), 805.2 C, 808.3.

INSTALLATION

As with all single component materials, work life and cure times of NovaFlex Ultra-Low Migration Glazing 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 14 days and greatly depends on ambient conditions.

AVAILABILITY

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

STORAGE

NovaFlex Ultra-Low Migration Glazing Sealant has a shelf life of twelve (12) 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.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	7,000 - 15,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	10 – 40 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	200 – 250 psi
Elongation	ASTM D412	400 – 450%
Tear Resistance	ASTM D624	20 – 25 pli
Shore A Hardness	ASTM D2240	20 +/- 5
Adhesion Glass Aluminum Wood	ASTM D903	13 – 17 pli 13 – 17 pli 13 – 17 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.

LIMITATIONS

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

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.