

NovaFlex® High Impact Glazing Sealant (M400 series)

Specification Data



DESCRIPTION

NovaFlex High Impact Glazing Sealant (M400 series) is a non-corrosive, single-component, neutral cure silicone sealant that cures upon exposure to atmospheric moisture, at room temperature, to a rubber-like solid.

APPLICATIONS

NovaFlex High Impact Glazing Sealant is specially formulated to retain its physical properties even during service in extreme environmental conditions. NovaFlex High Impact Glazing Sealant is a smooth paste that is ideal for applications that require superior bond strength and moisture resistance. It is designed primarily for glazing and back-bedding applications to meet the stringent requirements of the Dade County hurricane testing. NovaFlex High Impact Glazing Sealant is well suited to perform within many arenas.

STANDARDS

Meets or exceeds the performance characteristics of ASTM C-920, AAMA 802.3, 805.2, 808.3, TT-S-001543A, and TT-S-230C.

INSTALLATION

As with all single component materials, work life and cure times of NovaFlex High Impact 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.

AVAILABILITY

NovaFlex High Impact Glazing Sealant is available in 10-ounce cartridges.

STORAGE

NovaFlex High Impact Glazing Sealant has a shelf life of twelve (12) months from the date of manufacture when stored in the original, unopened container at, or below, 100°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.

LIMITATIONS

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	5,000 – 15,000 poises
Extrusion Rate	Novagard 10-10-50	40 grams/minute minimum
Skin Over Time	3/8" @ 50% RH & 75°F	5 - 15 minutes
Through Cure	3/8" @ 50% RH & 75°F	48 hours (28 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Slump (Flow)	ASTM D2202	0.3" maximum
Specific Gravity		1.00 – 1.50
Tensile Strength	ASTM D412	300 –500 psi
Elongation	ASTM D412	300 –600 %
Shore Hardness	ASTM D2240	20 minimum
Adhesion Glass PVC Wood	ASTM D903 7 days @ 50% RH & 75°C	20 pli minimum 20 pli minimum 20 pli minimum
Joint Movement	ASTM C920	+/- 50

*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.