

NovaFlex® MBI Series

Type I Specification Data



DESCRIPTION

A patented Novagard innovation, MBI was developed to compliment any type of glazing rabbet profile design. Novagard combines modified ultra low migration neutral cure silicone technology with consistently sized spacer-beads to provide a “liquid shim” primary bedding seal on wood, PVC, fiberglass, and aluminum. The bead assures controlled compound thickness between the glass and the sash, which will maximize sash performance while minimizing sealant consumption. It also eliminates squeeze-out, which provides for easier re-glazing. Tailor your MBI product with a specific spacer-bead size, and your choice of cure rate, viscosity, green strength, physical properties, and color.

INSTALLATION

As with all single component materials, work life and cure times of Novaflex MBI 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 MBI is available in 10 ounce cartridges, 5 gallon pails, and 55 gallon drums.

STORAGE

Novaflex MBI has a shelf life of twelve (12) months from the date of manufacture when stored in the original, unopened container at, or below, 75°F.

STANDARD BEAD SIZES

MBI 03 = 0.025 – 0.035”

MBI 04 = 0.035 – 0.045”

MBI 05 = 0.045 – 0.055”

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for disposal of solvent and silicone waste. For additional information consult product S.D.S. Not recommended for surfaces that are to be painted.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent paste
Viscosity	Brookfield #7 @ 10 rpm	600,000 – 1,500,000 cPs
Skin Over Time	3/8" @ 50% RH & 77°F	2 - 10 minutes

TYPICAL PROPERTIES (Polymer Only)*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	200 – 250 psi
Elongation	ASTM D412	300 – 350%
Tear Resistance	ASTM D624	30 – 35 pli
Shore Hardness	ASTM D2240	30 +/- 5
Adhesion		
Glass		12 – 15 pli
Aluminum	ASTM D903	10 – 14 pli
Wood		12 – 15 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.