

NovaFlex® M170 Fast Tack Multi-Purpose Glazing Sealant Specification Data



DESCRIPTION

NovaFlex M170 Fast Tack Multi-Purpose Glazing Sealant is a non-corrosive, single-component, oxime-cured silicone glazing, sealant, and/or adhesive. M170 Fast Tack develops earlier green strength than standard oxime-cured silicones.

APPLICATIONS

This product is a general-purpose compound, which is used most frequently within the window and door manufacturing industry as glazing or structural back-bedding. NovaFlex M170 Fast Tack Multi-Purpose Glazing Sealant is a single-component, high-solid, low-odor material, which cures to a medium modulus, flexible, durable rubber-like solid. NovaFlex M170 Fast Tack Multi-Purpose Glazing Sealant will develop primerless adhesion to most common construction substrates, and the neutral cure is compatible with most materials.

STANDARDS

Meets or exceeds the performance of characteristics of ASTM C-920, TT-S-001543A, and TT-S-230C. AAMA 803.3 (I), 805.2 C, 808.3.

INSTALLATION

As with all single-component materials, the work life and cure times of NovaFlex M170 Fast Tack Multi-Purpose 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 M170 Fast Tack Multi-Purpose Glazing Sealant is available in 10-ounce cartridges, 20-ounce sausage packs, 5-gallon pails, and 55-gallon drums.

STORAGE

NovaFlex M170 Multi-Purpose Glazing Sealant has a shelf life of eighteen (18) months from the date of manufacture when stored in the original, unopened container at, or below, 75°F (24°C).

PRECAUTIONS

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

LIMITATIONS

Not recommended for surfaces that are to be painted. Not recommended for joints to be continuously submerged under water.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range Type I – Class 35
Appearance		Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	3,500 – 7,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	25 – 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	3 - 8 minutes
Through Cure	3/8" @ 50% RH & 77°F	24 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Type I – Class 35
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	100 – 200 psi
Elongation	ASTM D412	500 – 750%
Tear Resistance	ASTM D624	20 – 30 pli
Hardness (Shore A)	ASTM D2240	20 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 204°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	10 – 15 pli 10 – 15 pli 10 – 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 the 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.