

NovaFlex® Multi-Purpose Adhesive Sealant

Specification Data



DESCRIPTION

NovaFlex Multi-Purpose Adhesive Sealant is a non-corrosive, single-component, oxime-cured silicone sealant and/or adhesive.

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 Multi-Purpose Adhesive Sealant is a single-component, high-solid, low-odor material, which cures to a medium modulus, flexible, durable rubber-like solid. NovaFlex Multi-Purpose Adhesive 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, worklife and cure times of NovaFlex Multi-Purpose Adhesive Sealant is 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 Multi-Purpose Adhesive Sealant is available in 10 ounce cartridges, 20 ounce sausage packs, 5 gallon pails, and 55 gallon drums.

STORAGE

NovaFlex Multi-Purpose Adhesive 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.

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.

LIMITATIONS

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

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range Type I – Class 35	Performance Range Type II – Class 50
Appearance		Paste (Various Colors)	Paste (Various Colors)
Viscosity	Brookfield #7 @ 10 rpm	3,500 – 7,000 poises	4,500 – 8,000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 – 80 grams/minute	30 – 80 grams/minute
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours (14 days for OEM window applications)	48 hours (14 days for OEM window applications)

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value Type I – Class 35	Typical Value Type II – Class 50
Specific Gravity		1.00 – 1.05	1.15 – 1.25
Tensile Strength	ASTM D412	140 – 200 psi	170 – 220 psi
Elongation	ASTM D412	500 – 650%	800 – 1000%
Tear Resistance	ASTM D624	30 – 35 pli	30 – 35 pli
Shore Hardness	ASTM D2240	20 +/- 5	25 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 204°C)	-40°F to 400°F (-40°C to 204°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35, see pg. 2 Use NT, M, G, A, O	Type S Grade NS Class 50, see pg. 2 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	12 – 15 pli 10 – 14 pli 12 – 15 pli	12 – 15 pli 10 – 14 pli 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.

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TYPE LISTING

TYPE I - UNFILLED CLASS 35

MX129
MX137
MX150
MX151
MX154
MX157
MX162
MX164
MX166
MX170
MX175
MX176
MX179
MX180
MX182
MX184
MX185
MX186
MX187
MX192
MX193
MX195
MX196
MX3205
MX3250
MX3844
MX3880
MX3904
MX3907
MX3910
MX4103

TYPE II - FILLED CLASS 50

MX100
MX101
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