

# 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		Colored Paste	Colored Paste
Viscosity	Brookfield #7 @ 10 rpm	3500 – 7000 poises	4500 – 8000 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	48 hours

### 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 205°C)	-40°F to 400°F (-40°C to 205°C)
Through Cure	3/8" @ 50% RH & 77°F	48 hours	48 hours
Through Cure (OEM)	3/8" @ 50% RH & 77°F	21 days for OEM applications	28 days for OEM applications
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

\*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  
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MX193  
MX195  
MX196  
MX3205  
MX3250  
MX3844  
MX3880  
MX3904  
MX3907  
MX3910  
MX4103

### TYPE II - FILLED CLASS 50

MX100  
MX101  
MX104  
MX105  
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