

NOVAGARD[®]

SILICONES

Novaflex[®] M Series

Specification Data

DESCRIPTION

The products of the Novaflex M Series are non-corrosive, single-component, oxime cured silicone sealants and/or adhesives.

APPLICATIONS

These products are general-purpose compounds, which are used most frequently within the window and door manufacturing industry as glazings and structural back-beddings. The M Series of products are single-component, high-solids, low-odor materials, which cure to a low modulus, flexible and durable rubber-like solids. Novaflex products will develop primerless adhesion to most common construction substrates, and the neutral cure is compatible with most materials.

INSTALLATION

As with all single component materials, worklife and cure times of the materials listed on this data sheet 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 products are available in 10.3 oz. cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE

Novaflex products (M Series) have a shelf life of eighteen (18) months from the date of manufacture when stored in the original, unopened container at, or below, 75°F.

TYPE I - PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Colored paste*
Viscosity	Brookfield #7 @ 10rpm	3500 - 7000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 80 gm/min
Skin Over Time	3/8" @ 50%RH & 77F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77F	24 hours

TYPE II - PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Colored paste*
Viscosity	Brookfield #7 @ 10rpm	4500 - 8000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 - 80 gm/min
Skin Over Time	3/8" @ 50%RH & 77F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77F	24 hours

PRECAUTIONS

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

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.

TYPICAL PROPERTIES*

Physical Property	Test Method	Type I	Type II
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 D 624	30-35 pli	
Shore Hardness	ASTM D 2240	20 ± 5	25 ± 5
Service Temperature		-40°C - 205°C (-40°F - 400°F)	
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 25 Use NT, M, G, A, O	

*The values outlined reflect testing that was conducted on laboratory prepared specimens, 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.

Novagard **Solutions**[™]
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Form Name
10-D2-Novaflex

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Effective Date
02-01-2012

www.Novagard.com

NOVAGARD[®] *SILICONES*

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Novaflex[®] M Series Type Listing

<u>Type I</u>	<u>Type II</u>			
M126	M100	M148	M3329	M3733
M137	M101	M149	M3333	M3763
M150	M104	M161	M3409	M3765
M162	M105	M163	M3412	M3767
M166	M106	M165	M3413	M3770
M179	M107	M168	M3425	M3796
M182	M110	M173	M3429	M3801
M186	M111	M174	M3435	M3818
M187	M114	M177	M3437	M3819
M192	M115	M178	M3440	M3821
M193	M117	M180	M3447	M3823
M403	M119	M181	M3449	M3839
M3205	M120	M184	M3455	M3907
M3907	M121	M191	M3473	M3912
	M122	M194	M3475	M3931
	M123	M197	M3501	M3933
	M124	M198	M3502	M3935
	M130	M199	M3505	M3961
	M131	M3004	M3513	
	M132	M3210	M3514	
	M133	M3211	M3515	
	M134	M3217	M3522	
	M135	M3240	M3528	
	M136	M3265	M3535	
	M138	M3269	M3565	
	M139	M3277	M3595	
	M140	M3281	M3705	
	M141	M3285	M3706	
	M143	M3301	M3709	
	M144	M3315	M3711	
	M145	M3321	M3720	
	M146	M3322	M3723	
	M147	M3324	M3725	

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