NOVAGARD®
Solutions

Novaflex® Metal Roof Sealant Specification Data

DESCRIPTION
Novaflex Metal Roof Sealants are non-corrosive, single-component, oxime cured silicone sealants and/or adhesives.

APPLICATIONS
These products are general-purpose compounds, which are used most frequently as a seam sealant or joint filler in metal roof systems. The Metal Roof Sealants 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.

STORAGE
Novaflex™ Metal Roof Sealants have a shelf life of eighteen (18) months from the date of manufacture when stored in the original, unopened container at, or below, 75ºF.

AVAILABILITY
Novaflex Metal Roof Sealants are available in 10.3 oz. cartridges

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Colored paste*
Extrusion Rate	1/8" Orifice @ 50psi	30 – 80 grams
Skin Over Time	3/8" @ 50%RH & 77˚F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77˚F	24 hours

PRECAUTIONS
Consult and obey all 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. Not recommended for joints submerged under water. Do not install if surface temperature is below 0ºF or exceeds 120ºF

ADDITIONAL INFORMATION
Novagard believes that the information provided is an accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the user to test the product in their specific application to determine performance, efficacy and safety.

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.25
Tensile Strength	ASTM D412	140-200 psi
Elongation	ASTM D412	500-650%
Tear Resistance	ASTM D 624	30-35 pli
Shore Hardness	ASTM D 2240	22 ± 8
Service Temperature		-40C – 205C (-40F – 400F)
Join Sealant Designation	ASTM C920	Type S Grade NS Class 35/50 see page 2 Use NT, M, G, A,O
Adhesion Glass Aluminum Vinyl	ASTM D 903	 12-15 pli 10-14 pli 12–15 pli

*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.

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Novaflex® MR Series Specification Data

Novaflex® MR Series Type Listing

Type I – Unfilled Class 35

MR118
MR137
MR150
MR157
MR158
MR160
MR173
MR180
MR182
MR184
MR193
MR195
MR196
MR3201
MR3903
MR4103

Type II - Filled Class 50

MR100
MR101
MR102
MR103
MR105
MR110
MR115
MR117
MR120
MR121
MR122
MR123
MR124
MR126
MR125
MR127
MR131
MR132
MR134
MR146
MR155
MR156
MR165
MR168
MR169
MR171
MR172
MR177
MR178
MR188
MR189
MR191
MR194
MR197
MR3004
MR3008
MR3010
MR3220
MR3225
MR3333
MR3401
MR3404
MR3412
MR3461
MR3482
MR3514
MR3522
MR3530
MR3702
MR3801
MR3823

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