

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, 75°F.

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 & 77F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77F	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 0°F or exceeds 120°F

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 25 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.

Novagard **Solutions**[™]
5109 Hamilton Avenue
Cleveland, OH 44114

Phone: (216) 881-3890 Facsimile: (216) 881-6977

WWW.NOVAGARD.COM

Form Name
10-D2-MR1000

Effective Date
06-23-11