

NovaFlex® Metal Roof Repair and Patch Mastic Specification Data



DESCRIPTION

NovaFlex Metal Repair and Patch Mastic (MRR) 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 as a repair material for metal panels, metal roof systems, gutters, and other metal buildings and structures. NovaFlex Metal Roof Repair and Patch Mastic is a single-component, high-solid, low-odor material, which cures to a medium modulus, flexible, durable, rubber-like solid. This product 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.

INSTALLATION

As with all single-component materials, the work life and cure times of NovaFlex Metal Roof Repair and Patch Mastic 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 Metal Roof Repair and Patch Mastic are available in 1-gallon pails.

STORAGE

NovaFlex Metal Roof Repair and Patch Mastic 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 (24°C).

PRECAUTIONS

Consult and obey all local, state, and federal regulations for the disposal of solvent and silicone waste. For additional information consult product SDS. Not recommended for surfaces that are to be painted. Not recommended for joints submerged under water. Do not install if the surface temperature is below 0°F (-17°C) or exceeds 120°F (48°C).

LIMITATIONS

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

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Mastic Paste (Translucent)
Viscosity	Brookfield #7 @ 10 rpm	3,500 – 7,000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	5 - 10 minutes
Through Cure	3/8" @ 50% RH & 77°F	48 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	140 – 200 psi
Elongation	ASTM D412	500 – 650%
Tear Resistance	ASTM D624	30 – 35 pli
Shore Hardness	ASTM D2240	20 +/- 5
Service Temperature		-40°F to 400°F (-40°C to 204°C)
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35 Use NT, M, G, A, O
Adhesion Glass Aluminum Vinyl	ASTM D903	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 the 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.