

NovaFlex® Gutter Sealant Specification Data



DESCRIPTION

NovaFlex Gutter Sealant is a non-corrosive, low odor silicone sealant that cures to a flexible, durable, rubber-like solid. This single-component compound is a high-solid, material, can be applied in wet and cold conditions from -20°F to 160°F, and will even cure when wet. NovaFlex Gutter Sealant is an all-weather gutter sealant that stays permanently flexible, will not shrink or crack, and will not break down over time under UV exposure.

APPLICATIONS

NovaFlex Gutter Seal functions both as an adhesive and a sealant, bonding to most common substrates without the need for a primer. This product is ideal for use in gutter applications, under decks, patio covers, and carports. It provides a long-lasting solution for installing or repairing water carrying systems.

STANDARDS

50 State VOC Compliant, California Prop 65 Compliant, REACH Compliant.

INSTALLATION

For best results, surface must be clean, dry, and free from any material that may prevent adequate adhesion. Apply sealant generously and smooth or tool bead if necessary to prevent damming.

As with all single-component materials, the work life and cure times of NovaFlex Gutter Sealant 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 Gutter Sealant is available in 3-ounce squeeze tubes and 10-ounce cartridges.

STORAGE

NovaFlex Gutter Sealant (GS111) has a shelf life of twelve (12) months from the date of manufacture, as indicated by the lot number when stored in the original, unopened container at, or below, 75°F (24°C).

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for the disposal of solvent and silicone waste. Not suitable for potable water applications. For additional information consult product S.D.S.

LIMITATIONS

Not Recommended for: Surfaces that are to be painted. For joints larger than 1/4" x 1/4" or joints continuously submerged under water. Do not use in areas where food is processed or stored. Not suitable for potable water applications. Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Paste (Gray)
Viscosity	HB spindle #7 @ 10 rpm	2,250 – 8,000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	< 1 hour
Through Cure	3/8" @ 50% RH & 77°F	24 – 30 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.27 – 1.37 g/ml
Tensile Strength	ASTM D412	150 – 300 psi
Elongation	ASTM D412	400% – 950%
Hardness (Shore A)	ASTM D2240	30 +/- 5
Adhesion Steel PVC Aluminum	ASTM C794	>12 pli >12 pli >12 pli
Lap Shear Adhesion Gutter material	ASTM D1002	75 – 175 psi

*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 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.