

NOVAGARD® SILICONES

RTV 800-260 Specification Data

DESCRIPTION

RTV 800-260 is a new product that is being introduced in a wide variety of applications. This non-corrosive, single component silicone coating will cure to a solid rubber upon exposure to either an ultra-violet light source, or to atmospheric moisture. RTV 800-260 is a self-leveling liquid that is custom formulated for use as an industrial coating or encapsulation material.

UV APPLICATION

All laboratory experiments were conducted using a standard ultra-violet, mercury vapor lamp operating at 125 and 300 WPI. To achieve a tack free surface requires 0.30 seconds exposure at 500 mW/cm², or 0.60 seconds at 245 mW/cm². As with any UV curing system, longer exposure times are required for lower intensity lamp conditions.

MOISTURE CURE

As with any single-component moisture-cured material, worklife and cure times of RTV 800-260 are dependent on the environmental conditions such as temperature, humidity and film thickness. Adhesion should be checked on small samples prior to full scale production.

AVAILABILITY

Novagard RTV 800-260 is a new product, and the availability in all packaging containers has not yet been determined. Five gallon containers with impermeable liners can be filled with 5 day lead times.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Hazy fluid
Viscosity (LV)	Brookfield #4 @ 30 rpm	3,000 – 8,000 cps
Skin Over Time (H ₂ O exposure)	1/8" @ 50%RH & 77F	60 minutes minimum
Through Cure (H ₂ O exposure)	1/8" @ 50%RH & 77F	12 -24 hours

STORAGE

Novagard RTV 800-260 may be stored in the original unopened containers at, or below, 70° F for up to six months.

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.

Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine or peroxides. 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	Typical Value
Specific Gravity		0.98 – 1.10
Tensile Strength	ASTM D412	100 psi minimum
Elongation	ASTM D412	100% minimum
Shore Hardness	ASTM D 2240	15 ± 5
Adhesion Glass Aluminum	ASTM D 903	<5 pli < 5 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
WWW.NOVAGARD.COM

Form Name
10-D2-RX8260

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

Effective Date
09-30-09