

RTV 800-400 UV CURE PRODUCT



DESCRIPTION

Novagard RTV 800-400 is a UV cure sealant. This non-corrosive, single-component silicone sealant will cure to a solid rubber upon exposure to ultra-violet light source.

FEATURES & BENEFITS

- Exceptionally fast UV cure
- Single component
- Non-sag rheology
- No oxygen inhibition
- Room temperature curing
- Solvent free formulations
- No corrosive byproducts

UV APPLICATION

All laboratory experiments were conducted using a 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.

AVAILABILITY

Consult Novagard Sales representative for packaging options and volume requirements.

STORAGE

Novagard® RTV 800-400 may be stored in the original unopened containers at, or below, 80° F for up to twelve (12) months.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent paste
Extrusion Rate @ 50 psi, 1/8" orifice	Novagard 10-10-50	40 gm/min minimum
Slump (Flow)	ASTM D2202	0.3" maximum
UV Curer	"D" Bulb @ 8-9 J/cm ²	> 30 grams

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		1.02-1.05
Tensile Strength*	ASTM D412	450 psi
Elongation *	ASTM D412	1400%
Shore Hardness*	ASTM D 2240	30

**The values outlined reflect testing that was conducted on laboratory prepared specimens, actual results may vary. Results are after UV cure plus 7 days at 25°C/50% RH moisture cure.

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