

RTV 800-260

UV Cure Conformal Coating



DESCRIPTION

Novagard RTV 800-260 is a unique UV/dual cure silicone conformal coating for application on printed circuit boards. This non-corrosive, single-component silicone coating will cure to a solid rubber upon exposure to ultra-violet light source with a moisture cure component for curing in shadow areas.

FEATURES & BENEFITS

- Exceptionally fast UV cure
- Single component
- Controlled rheology
- No oxygen inhibition
- Room temperature curing
(No post cure required)
- Solvent free formulation
- No corrosive byproducts
- UL 746E Listed

APPLICATION

To preserve the UL rating of this conformal coating the application of RTV 800-260 must be strictly controlled. Application details should be reviewed with a Novagard representative and matched to the UL listing.

AVAILABILITY

Novagard® RTV 200-260 is available in, 1-quart metal cans, 5-gallon pails, and 55-gallon drums.

STORAGE

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

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Hazy fluid
Viscosity	Brookfield #3 @ 12 rpm	2,000 – 5,000 cps
Skin time (H ₂ O)	1/8" @ 50%RH & 77F	60 minutes minimum
UV Cure	70-L0-UVcure1	Pass

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. Not recommended for surfaces that are to be painted. Certain materials, chemicals, curing agents and plasticizers may inhibit the cure. The most notable are organo-tin catalysts, polysulfide and other sulfur-containing materials.

UV CURE CONDITIONS

All laboratory experiments were conducted using a “D” bulb for improved adhesion and depth of cure. To achieve a tack free surface requires 0.30 seconds exposure at 500 mW/cm² (UVA) or 0.60 seconds at 250 mW/cm² (UVA). As with any UV curing system, longer exposure times are required for lower intensity lamp conditions.

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
Elongation *	ASTM D412	100%
Shore Hardness*	ASTM D 2240	15
Operating Temperature		-40°C TO 200°C
Dielectric Constant	ASTM D-150	3.35 @ 100 Hz
Dissipation Factor	ASTM D-150	0.0034 @ 100 Hz
Dielectric Strength	ASTM D-149	424 v/mil
UL 746E Listed	QMJU2	File Number E345993

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

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