

Novagard® 800 Series 800-401

UV Cure

Technical Data Sheet

NOVAGARD®

DESCRIPTION

Novagard 800 Series 800-401 is a UV cure sealant. This non-corrosive, single-component silicone sealant will cure a solid rubber upon exposure to ultra-violet light source.

FEATURES & BENEFITS

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

UV CURE CONDITIONS

All laboratory experiments were conducted using a mercury vapor "H" bulb. To achieve a tack free surface requires $1,000 \text{ mJ/cm}^2$ (UVA) in 3-5 seconds at a minimum of 250 mW/cm^2 (UVA). As with any UV curing system, longer exposure times are required for lower-intensity lamp conditions.

AVAILABILITY

Consult your Novagard Sales representative for packaging options and volume requirements.

STORAGE

Novagard 800 Series 800-401 may be stored in the original unopened containers at, or below, 80°F (27°C) for up to twelve (12) months.

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for the disposal of solvent and silicone waste. For additional information consult product 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.

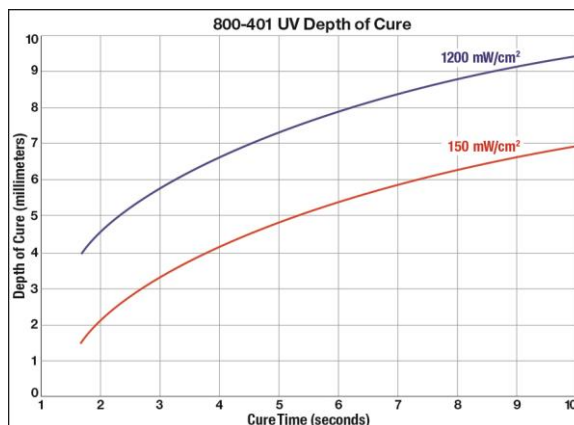
PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Opaque Paste
Chemistry		UV Only
Specific Gravity	ASTM D1875	1.11

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Viscosity (cPs)	Brookfield HB #6 @ 10 rpm	300,000
Tensile Strength (psi)	ASTM D412	150
Elongation (%)	ASTM D412	1,000
Hardness (Shore A)	ASTM D2240	20
Extrusion Rate	1/8" orifice @50 psi	>200 g/min
Volume Resistivity ($\Omega \text{ cm}$)	ASTM D257	3.01×10^{13}

*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. Results are after UV cure.



Product was UV cured using an F300S/F300SQ Fusion UV System equipped with a standard "H" bulb.

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.