Novagard® 500 Series 500-225
Specification Data

DESCRIPTION
Novagard 500 Series 500-225 is a single-component, neutral-cure, silicone coating that provides fast tack-free time, and cures with no corrosive byproducts.

FEATURES & BENEFITS
- *Wide range of compatibility*
- *Single component*
- *Primerless adhesion:*
  Aluminum, Polycarbonate, Glass, Steel
- *Room temperature curing*
- *Solvent-free formulations*
- *No corrosive by-products*

APPLICATIONS
Non-corrosive when tested in accordance with Mil Spec A-46146B, Novagard 500 Series 500-225 is ideal for applications that require quick cures on electronic components, circuit boards, and other sensitive components. As a coating, Novagard 500 Series 500-225 outperforms slower materials in multi-step assembly applications where faster tack free time is needed. It is designed primarily for engineering applications in a wide variety of industries.

INSTALLATION
As with all single component materials, work life and cure times of Novagard 500 Series 500-225 is dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full scale production.

STORAGE
Novagard 500 Series 500-225 may be stored in the original unopened containers at, or below, 70°F for up to twelve (12) months.

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

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		Translucent
Skin Over Time	20 mils @ 50% RH & 77°F	10 – 30 minutes
Through Cure	20 mils @ 50% RH & 77°F	48 hours maximum
Viscosity		2000cPs-3000cPs

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	45 - 65 psi
Elongation	ASTM D412	140 – 160%
Shore Hardness	ASTM D2240	13 ± 5
Operating Temperature		-40°C – 240°C
Adhesion Glass Aluminum Polycarbonate	ASTM D903	 Cohesive Failure Cohesive Failure Cohesive Failure

*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 manufacturer for additional information.

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.

5109 Hamilton Ave., Cleveland, OH 44114 USA | P (216) 881-8111 | F (216) 881-6977 | novagard.com | ISO 9001:2015, IATF 16949:2016