

# Novagard® 900-50x Industrial Adhesive/Sealant Specification Data



## DESCRIPTION

Novagard 900-50x Industrial Adhesive/Sealant is a non-corrosive, single-component, MS polymer hybrid sealant and/or adhesive. Novagard 900-50x Industrial Adhesive/Sealant presents an excellent balance between rate of cure, adhesion, and physical properties. Material is paintable 1 hour after application.

## APPLICATIONS

Novagard 900-50x Industrial Adhesive/Sealant functions as a hybrid adhesive sealant which develops bond to most substrates without the use of a primer. This ready-to-use single-component compound is typically used as an adhesive to bond dissimilar materials, as a sealant for creating formed-in-place gaskets, or a multitude of other applications.

## INSTALLATION

As with all single component materials, work life and cure time of Novagard 900-50x Industrial Adhesive/Sealant are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production.

## AVAILABILITY

Novagard 900-50x Industrial Adhesive/Sealant is available in 10.3 ounce cartridges, 20 oz. sausage packs, 5 gallon pails, and 55-gallon drums.

## STORAGE

Novagard 900-50x Industrial Adhesive/Sealant has a shelf life of twelve (12) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at 40°F to 75°F. Freeze-thaw stable.

## PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations. For additional information consult product S.D.S.

Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine or peroxides.

## PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Black/White Paste
Viscosity	Brookfield #7 @ 20 rpm	4500 – 8000 poises
Skin Over Time	3/8" @ 50% RH & 77°F	15 – 25 minutes
Through Cure	3/8" @ 50% RH & 77°F	4 days

## TYPICAL PROPERTIES\*

Physical Property	Test Method	Typical Value
Application Temperature		30°F - 120°F
Service Temperature		-35°F - 225°F
Specific Gravity		1.25 – 1.40
Tensile Strength	ASTM D412	430-480 psi
Elongation	ASTM D412	750-800%
Shore Hardness	ASTM D2240	40 ± 5
Shear Stress Aluminum Galvanized Steel Kemlite	ASTM D1002	200-250 psi 200-250 psi 200-250 psi
Adhesion Glass Aluminum Wood	ASTM D903	12-16 pli 12-16 pli 12-16 pli
UV Exposure	ASTM G154 (2000 hours UV-A)	Pass

\*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.