

**Novagard® 900 Series 900-300 Adhesive Sealant
Hybrid Adhesive/Sealant
Specification Data**



DESCRIPTION

Novagard 900 Series 900-300 is a non-corrosive, single-component, MS polymer hybrid sealant and/or adhesive. Novagard® 900 Series 900-300 Hybrid Adhesive/Sealant presents an excellent balance between rate of cure, adhesion, and physical properties. Material is paintable 1 hour after application.

APPLICATIONS

Novagard 900 Series 900-300 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.

STANDARDS

Meets or exceeds the performance of characteristics of ASTM C-920, Type S, Grade NS, Class 35, use NT, M, G, A, and O. AAMA 802.3 (II), 803.3 (I), 805.2 C, 808.3.

INSTALLATION

As with all single component materials, work life and cure time of Novagard 900 Series 900-300 Hybrid 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 Series 900-300 Hybrid Adhesive/Sealant is available in 10 ounce cartridges, 20 oz. sausage packs, 5 gallon pails, and 55-gallon drums.

STORAGE

Novagard 900 Series 900-300 Hybrid 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. Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine or peroxides.

LIMITATIONS

Not recommended for: Joints continuously submerged under water, structural glazing applications, or where abrasion and physical abuse are encountered.

PRODUCT SPECIFICATIONS*

| Physical Property | Test Method | Performance Range |
|-------------------|------------------------|-------------------|
| Appearance | | White Paste |
| Viscosity | Brookfield #7 @ 10 rpm | ≥ 3,000 poises |
| Extrusion Rate | 1/8" Orifice @ 50 psi | ≥ 50 grams/minute |
| Skin Over Time | 3/8" @ 50% RH & 77°F | 10 – 45 minutes |
| Through Cure | 3/8" @ 50% RH & 77°F | 7 days |

TYPICAL PROPERTIES*

| Physical Property | Test Method | Typical Value |
|--|--------------------------------|--------------------------------------|
| Specific Gravity | | 1.40 – 1.50 |
| Tensile Strength | ASTM D412 | 200 psi |
| Elongation | ASTM D412 | 400% |
| Shore Hardness | ASTM D 2240 | 40 ± 5 |
| Adhesion Glass Aluminum Wood PVC | ASTM D 903 | 13 pli 15 pli 15 pli 14 pli |
| Joint Movement | ASTM C 719 | ± 35 |
| UV Exposure | ASTM G154 (2000 hours UV-A) | Pass |

*The values outlined reflect testing that was conducted on laboratory prepared specimens, 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.