

NovaBond® Hybrid Construction Sealant

Specification Data



DESCRIPTION

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

APPLICATIONS

NovaBond Hybrid Construction 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.

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 NovaBond Hybrid Construction 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.

Like all hybrid sealants, NovaBond contains organic polymers which may age and color shift over time. For best longevity and performance, we recommend NovaBond be painted within 90 days of application.

AVAILABILITY

NovaBond Hybrid Construction Sealant is available in 10 ounce cartridges, 20 oz. sausage packs, 5 gallon pails, and 55-gallon drums.

STORAGE

NovaBond Hybrid Construction Sealant has a shelf life of eighteen (18) 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		Paste (Various Colors)
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	300%
Shore Hardness	ASTM D 2240	45 ± 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 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.