

Novagard® RTV 700-174

Specification Data



DESCRIPTION

Novagard RTV 700-174 is a silicone tile adhesive with exceptionally high green strength. This non-corrosive, single-component silicone sealant will cure upon exposure to atmospheric moisture, at room temperature, to a solid rubber.

FEATURES & BENEFITS

- Single component
- Quick "grab" adhesion
- Room temperature curing
- Solvent-free formulation
- No corrosive by-products

APPLICATIONS

Specially formulated for bonding ceramic tiles, this low-odor material requires no mixing and cleans-up with soap and water, which facilitates ease of application. When exposed to atmospheric moisture Novagard RTV 700-174 cures to a rubber-like solid, which develops tenacious adhesion to most common pool and spa substrates including: ceramic tile, wood, metal, glass, masonry, and fiber glass. It may also be used for bonding fiber optic panels, valves, jet handles, and other spa components.

INSTALLATION

As with all single component materials, work life and cure times of Novagard RTV 700-174 are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full scale production.

INSTALLATION NOTES

Work with a small area (approximately 1 square foot) at a time. Novagard pool and spa adhesives and grouts are not to be used below the water line on tiles less than 3" x 3" in size.

STORAGE

Novagard RTV 700-174 may be stored in the original unopened containers at, or below, 75°F for up to one year.

AVAILABILITY

Novagard RTV 700-174 is available in 10.3 oz. cartridges.

PRECAUTIONS

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

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Gray Paste
Extrusion Rate	Novagard 10-10-50	50 gm/min minimum
Slump (flow)	ASTM D2202	0.3" maximum
Skin Time	3/8" @ 50% RH & 77°F	15 minutes maximum
Through Cure	1/8" @ 50% RH & 77°F	4 – 16 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.13
Tensile Strength	ASTM D412	200 - 300 psi
Elongation	ASTM D412	200 – 300 %
Shore Hardness	ASTM D2240	40 minimum
Adhesion		
Glass	ASTM D903	12-15 pli
Aluminum		10-14 pli
Lexan®		12-15 pli

*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.