

NOVAGARD® SILICONES

RTV 700-163 Specification Data

DESCRIPTION

Novagard® RTV 700-163 Silicone Tile Adhesive is a non-corrosive, single-component adhesive for bathroom, pool and spa installations. A non-flowable, high-solids, paste product RTV 700-163 is a fast-tack material with high green strength for early bond and lower odor than conventional acetoxycured silicones.

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 RTV 700-163 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. May also be used for bonding fiber optic panels, valves, jet handles and other spa components.

INSTALLATION

As with all single component materials, worklife and cure times of RTV 700-163 are 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® RTV 700-163 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, or below, 75°F.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		White paste
Viscosity	Brookfield #7 @ 10rpm	3500 - 7000 poises
Skin Over Time	3/8" @ 50%RH & 77F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77F	24 hours

PRECAUTIONS

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

AVAILABILITY

Novagard® RTV 700-163 Silicone Tile Adhesive is available in 10.3 oz. Cartridges.

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.

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	140-160 psi
Elongation	ASTM D412	400-500%
Tear Resistance	ASTM D 624	20-25 pli
Shore Hardness	ASTM D 2240	20 ± 5
Adhesion		
Glass		12-15 pli
Aluminum	ASTM D 903	10-14 pli
Lexan®		12-15 pli

*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.

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