

Novagard® RTV 700-166

Specification Data



DESCRIPTION

Novagard RTV 700-166 silicone tile grout is a non-corrosive, single-component, non-flowable, high-solid, paste product. It presents an excellent balance between rate of cure, adhesion, and physical properties along with lower odor than conventional acetoxo-cured silicones.

APPLICATIONS

Specially formulated for grouting the joints between ceramic tiles, this low-odor material has longer tooling properties and requires no mixing, which facilitates ease of application. When exposed to atmospheric moisture Novagard RTV 700-166 cures to a rubber-like solid and is mold and mildew resistant. It will not crack or drop out of joints and develops tenacious adhesion to most common pool and spa substrates including: ceramic tile, wood, metal, glass, masonry, and fiber glass.

INSTALLATION

As with all single component materials, work life and cure time of Novagard RTV 700-166 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 700-166 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.

AVAILABILITY

Novagard RTV 700-166 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.

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.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Tan Paste
Viscosity	Brookfield #7 @ 10 rpm	1500-3700 poises
Skin Over Time	3/8" @ 50% RH & 77°F	10-30 minutes
Through Cure	3/8" @ 50% RH & 77°F	24 hours

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 D624	20-25 pli
Shore Hardness	ASTM D2240	20 ± 5
Adhesion	ASTM D903	
Glass		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.