

Novagard® 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, Novagard 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 Novagard 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. 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 700-163 are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production.

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 700-163 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.

AVAILABILITY

Novagard RTV 700-163 Silicone Tile Adhesive 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 | | White Paste |
| Viscosity | Brookfield #7 @ 10 rpm | 3500-7000 poises |
| Skin Over Time | 3/8" @ 50% RH & 77°F | 5-10 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.