R2 SEALANT SYSTEMS

R3ORTV
100% RTV ACETOXY SILICONE SEALANT

TECHNICAL DATA SHEET (TDS)

R3ORTV 100% RTV ACETOXY SILICONE SEALANT

PRODUCT DESCRIPTION
R3ORTV is a one component 100% silicone sealant that seals out air, water and moisture. This product has excellent adhesion, is mold and mildew resistant and will maintain flexibility.

DIRECTIONS AND SURFACE PREPARATION
Use alcohol to clean all work surfaces of all debris, oil, loose paint, frost, and other contamination. Petroleum-based solvents like mineral spirits and xylene SHOULD NOT BE USED. Prior to application, keep R3ORTV at room temperature for simple gunning and tooling. To guarantee a continuous bead, test and assess. Tooling should be completed within ten minutes of application, if necessary.

LIMITED LIFETIME WARRANTY
R2 Sealant Systems, LLC, warrants that its products will meet the performance standards stated on the product packaging and technical data sheets for a period of fifteen (15) years from the date of purchase. With verified proof of purchase, the sole obligation of R2 Sealant Systems, LLC, is limited to replacing any product determined to be defective, not to exceed the original purchase price. This warranty extends exclusively to the original purchaser and is not transferable. No additional warranties, expressed or implied, are provided, and R2 Sealant Systems, LLC, shall not be liable for any incidental, indirect, or consequential damages arising from the use of its products.

STORAGE AND SHELF LIFE
Use within 18 months of the manufacture date. Keep the original container cool, dry, and in a climate-controlled location. Best if stored at 70°F with less than 50% humidity. Reduced shelf life will occur at higher temperatures and higher humidity.

SPECIFICATIONS
R3ORTV meets or exceeds the requirements of NSF/ANSI 51 - Food Equipment Materials. ASTM C920 Type S, Grade NS, Class 25, Use NT, G, M, A. Federal Specification TT-S-00230C Type II, Class A, TT-S-001543A Type Non-Sag, Class A.

FEATURES
- NSF
- No Shrinkage
- 100% Waterproof
- Non Sag
- Non-Yellowing
- Mold/Mildrew Resistant Once Cured
- Flexible

APPLICATIONS
- Industrial
- Construction & Building
- Kitchen & Bath
- Counter Tops
- Appliances
- Refrigerators
- Trailers
- Marine
- Ducts

AVAILABLE SIZES
- Cartridge (10.1 oz)
- Sausage (20 oz)
- Quart (30 oz)
- 52 Gallon Drum



R2 SEALANT SYSTEMS
R2SEALANTS.COM

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R30RTV

100% RTV ACETOXY SILICONE SEALANT

CHEMICAL & PHYSICAL PROPERTIES

Curing Conditions: 70° F with 50% RH

Skin Time	Internal	Less than 20 Minutes
Tack Free Time	Internal	Less than 30 Minutes
Full Cure Rate	Internal	1/4" Bead in 24 Hours
VOC Content	EPA Method 24	< 23 g/L, less water and exempt solvents
Elongation	ASTM D412	400-450%
100% Modulus of Elasticity	ASTM D412	40-80 psi
Shore A	ASTM C661	20 +/- 5
Tensile Strength	ASTM D412	200 - 250 psi
Joint Movement Capability	ASTM C719	+/- 25%
Service Temperature	Internal	-40° F to 400° F
Density	Internal	8 lbs/gal
Sag/Slump	ASTM D2202	< 0.2"
Staining	ASTM D2203	None
UV Rating	ASTM G154	No change in appearance or discoloration up to 10,000 Hours
Percent Solids	Internal	> 96%



APPROXIMATE* LINEAR FEET/COVERAGE PER 10.1 FL. OZ. CARTRIDGE

DEPTH \ WIDTH	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/8"	99	49	33	24	20	16	14	12
1/4"		24	20	12	10	8	7	6
3/8"			11	8	6	5	5	4
1/2"				6	5	4	3	3

**All values provided are approximate and based on industry standards. Actual measurements can vary significantly due to factors such as joint dimensions, configurations, substrate porosity, texture, irregularities, installation methods, and waste. These variables are outside the control of R2 Sealant Systems. R2 Sealant Systems is not responsible for deviations in linear feet or coverage. It is recommended to conduct a test area to accurately determine the required materials.*