R2 SEALANT SYSTEMS

R2ORTV
100% RTV ACETOXY SILICONE SEALANT

TECHNICAL DATA SHEET (TDS)

R2ORTV 100% RTV ACETOXY SILICONE SEALANT

PRODUCT DESCRIPTION

R2ORTV 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 R2ORTV 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

R20 RTV meets or exceeds the requirements of 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

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

APPLICATIONS

- Industrial
- Construction & Building
- Kitchen & Bath
- Countertops
- Appliances
- Refrigerators
- Trailers
- Marine
- Ducts
- Cultured Marble

AVAILABLE SIZES

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





R2 SEALANT SYSTEMS
R2SEALANTS.COM

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CHEMICAL & PHYSICAL PROPERTIES

Skin Time	Internal	< 20 minutes @ 70°F / 50% RH
Tack Free Time	Internal	< 30 minutes @ 70°F / 50% RH
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
Hardness - Shore A	ASTM C661	20 ± 5
Tensile Strength	ASTM D412	200 - 250 psi
Percent Solids	Internal	> 96%
Service Temperature	Internal	-40 - 500°F (Red) -40 - 400°F (All Other Colors)
Density	Internal	Approx. 8 lbs/gal
Sag/Slump	ASTM D2202	Minimal, <0.2"
Staining	ASTM D2203	None
UV Rating	ASTM G154	No change in appearance or discoloration up to 10,000 Hours



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 are approximations based upon industry information and can vary dramatically due to joint dimensions/configurations, porosity, texture of substrates, irregularities, installation techniques, waste, etc. that are beyond R2 Sealant Systems' control. R2 Sealant Systems is not liable for variances to linear feet/coverage; do a test area to determine material required to use.*