

## TECHNICAL DATA SHEET (TDS)

### R20RTV 100% RTV ACETOXY SILICONE SEALANT

#### PRODUCT DESCRIPTION

R20RTV 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 R20RTV 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/Mildew 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



## CHEMICAL & PHYSICAL PROPERTIES

<b>Skin Time</b>	Internal	< 20 minutes @ 70°F / 50% RH
<b>Tack Free Time</b>	Internal	< 30 minutes @ 70°F / 50% RH
<b>Full Cure Rate</b>	Internal	1/4" Bead in 24 Hours
<b>VOC Content</b>	EPA Method 24	< 23 g/L, less water and exempt solvents
<b>Elongation</b>	ASTM D412	400 - 450%
<b>100% Modulus of Elasticity</b>	ASTM D412	40 - 80 psi
<b>Hardness - Shore A</b>	ASTM C661	20 ± 5
<b>Tensile Strength</b>	ASTM D412	200 - 250 psi
<b>Percent Solids</b>	Internal	> 96%
<b>Service Temperature</b>	Internal	-40 - 400°F
<b>Density</b>	Internal	Approx. 8 lbs/gal
<b>Sag/Slump</b>	ASTM D2202	Minimal, <0.2"
<b>Staining</b>	ASTM D2203	None
<b>UV Rating</b>	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.