R2 SEALANT SYSTEMS

R4ONCS
NEUTRAL CURE SILICONE SEALANT

TECHNICAL DATA SHEET (TDS)

R4O NEUTRAL CURE SILICONE SEALANT

PRODUCT DESCRIPTION
R4O is a low odor, one component, neutral curing silicone sealant. This product is moisture curing, maintains flexibility, and has high strength adhesion to most construction and building products without the need for primer.

DIRECTIONS
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 R4ONCS 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 WARRANTY INFORMATION
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 & SHELF LIFE
Use within 12 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% relative humidity. Reduced shelf life will occur at higher temperatures and/or humidity.

PRODUCT SPECIFICATIONS
Meets or exceeds the requirements of ASTM C920 Type S, Grade NS, Class 35, Use NT, G, M, A. Federal Specification TT-S-00230C Type II, Class A, TT-S-001543A Type Non-Sag, Class A. AAMA 802.3-16 Type II, 803.3-16 Type I, 808.3-16.

APPLICATIONS
- Windows & Doors
- Glass Installation
- Industrial
- Truck & Trailer
- Ducts
- Cement
- Copper Sheet Metal

FEATURES
- UV Resistant
- Non-Sag
- Low Odor
- Quick Cure
- Flexible

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

VOC	EPA Method 24	< 29 g/L, less water and exempt solvents
Movement Capability	ASTM C719	+/- 35%
Skin Time	Internal Method	< 15 minutes @ 70°F / 50% RH
Tack Free Time	Internal Method	< 30 minutes @ 70°F / 50% RH
Cure Rate	Internal Method	1/4" per 48 hours
Hardness, Shore A	ASTM C661	20 ± 5
Sag/Slump	ASTM D2202	Minimal; <0.2"
Modulus	ASTM D412	40-80 psi
Tensile Strength	ASTM D412	90-140 psi
Staining	ASTM D2203	None
UV Rating	ASTM G154	No discoloration or change in appearance after 2500 hours
Service Temperature	Internal Method	-40 - 350°F
Density	Internal Method	8.3 lbs./gal
Cure System		Neutral Cure

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.*