R2 SEALANT SYSTEMS

R90UC
ULTRA CLEAR POLYMER SEALANT

TECHNICAL DATA SHEET (TDS)

R90 UC ULTRA CLEAR POLYMER SEALANT

PRODUCT DESCRIPTION

R90 UC is a top-performing, versatile polymer sealant that is completely transparent. Designed for superior adhesion to various construction substrates, it performs well across a broad temperature range. Free of solvents and featuring minimal volatile organic compounds (VOCs), R90 UC is environmentally friendly. This sealant is perfect for industrial settings where a strong, long- lasting bond is necessary, but an invisible finish is also required.

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 R90 UC 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 ten months of the manufacture date. Keep the original container cool, dry, and in a climate-controlled location. Best if stored at 70°F and below 50% relative humidity. Reduced shelf life will occur at higher temperatures and/or higher humidity.

APPLICATIONS

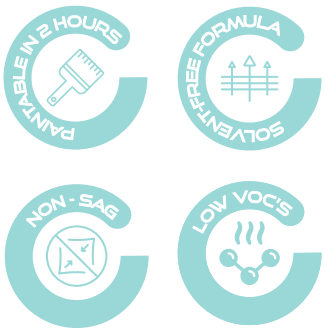
- Doors
- Skylights
- Sheet Metal
- Perimeters of Windows
- Industrial

FEATURES

- Advanced Ultra Clear Formula
- Extrudes at 0°
- Low VOCs
- Solvent-Free Formula
- Non-Sag
- Paintable Finish

AVAILABLE SIZES

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





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CHEMICAL & PHYSICAL PROPERTIES

Skin Time	Internal Method	< 15 minute @ 70°F / 50% RH
Tack Free Time	Internal Method	< 20 minute @ 70°F / 50% RH
Cure Rate	Internal Method	1/4" Bead in 24 Hours
VOC	EPA Method 24	< 19 g/L, less water, and exempt solvents
100% Modulus of Elasticity	ASTM D412	125 - 150 psi
Shore A	ASTM C661	40 ± 5
Tensile Strength	ASTM D412	250 - 300 psi
Sag/Slump	ASTM D2202	Minimal; < 0.2"
UV Rating	ASTM G154	No discoloration or change in appearance after 500 hours.
Service Temperature	Internal Method	-58 - 194°F
Viscosity	RV T-E @ 4 rpm	Approx. 500,000 cP
Density	Internal Method	Approx. 8.8 lbs./gal

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.*

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