R2 SEALANT SYSTEMS

R90GP
GENERAL PURPOSE SEALANT

TECHNICAL DATA SHEET (TDS)

R90 GP GENERAL PURPOSE SEALANT

PRODUCT DESCRIPTION
R90 GP is a versatile, high-performance specialty sealant and adhesive engineered to deliver strong, dependable bonds across a broad range of construction and industrial applications.

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 GP 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 with <50% relative humidity. Reduced shelf life will occur at higher temperatures and/or higher humidity.

PRODUCT SPECIFICATIONS
R90 GP conforms to the requirements of ASTM C920 Type S, Grade NS, Class 25, Use NT, G, A, M.

APPLICATIONS
- General Construction
- Architectural Metals
- Fireplaces
- Sealed Marble & Granite

FEATURES
- Extreme Temperature Bond
- Solvent Free
- Mold/Mildew Resistant
- Paintable

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	< 60 minutes @ 70°F / 50% RH
Cure Rate	Internal	1/4" Bead in 48 Hours
VOC	EPA Method 24	< 22 g/L, less water & exempt solvents
Shore A	ASTM C661	45
Movement Capacity	ASTM C719	25%
100% Modulus of Elasticity	ASTM D412	150 - 200 psi
Tensile Strength	ASTM D412	250 - 300 psi
Sag/Slump	ASTM D2202	< 0.2"
UV Rating	ASTM G154	Do not use in areas subject to light
Service Temperature	Internal	-58 - 194°F
Density	Internal	Approx. 13.5 lbs./gal
Viscosity	RV T-E @ 4 rpm	Approx. 500,000 cP
Flash Point	Closed Cup	Solvent Free / Not Applicable



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.*