R2 SEALANT SYSTEMS

R90HPS
HIGH PERFORMANCE SPECIALTY SEALANT & ADHESIVE

TECHNICAL DATA SHEET (TDS)

R90HPS HIGH PERFORMANCE SPECIALTY SEALANT & ADHESIVE

PRODUCT DESCRIPTION
R90HPS is a high-performance specialty sealant and adhesive. This can be used to bond a wide range of construction and industrial materials.

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 R90HPS 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.

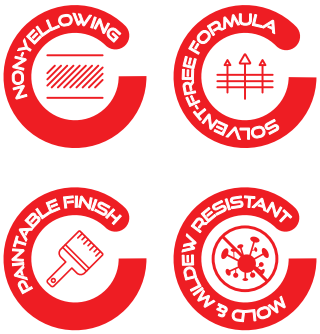
STORAGE & SHELF LIFE
Use within ten months of the manufacture date. Keep the original container cool, dry, and in a climate-controlled location. Best if stored at 70°F with less than 50% relative humidity. Reduced shelf life will occur at higher temperatures and/or higher humidity.

PRODUCT SPECIFICATIONS
R90HPS 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
- ✔ Siding
- ✔ Architectural Metals
- ✔ Roofing
- ✔ Fireplaces
- ✔ Sealed Marble & Granite

FEATURES
- ✔ Non-Yellowing
- ✔ Extreme Temperature Bond
- ✔ Solvent-Free Formula
- ✔ Mold/Mildew Resistant
- ✔ Paintable Finish

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





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R2SEALANTS.COM

3410 Millennium Blvd. S.E.
Massillon, Ohio 44646

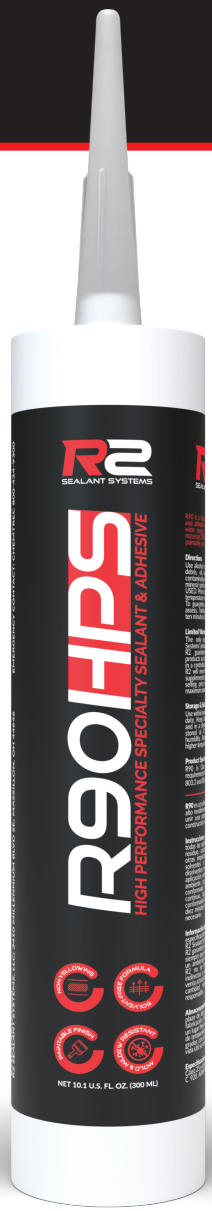
Phone: 1 (800) 807-4017
Email: info@r2sealants.com

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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	35%
100% Modulus of Elasticity	ASTM D412	150 - 200 psi
Tensile Strength	ASTM D412	250 - 300 psi
Sag/Slump	ASTM D2202	< 0.2"
Staining, Color Change	ASTM D2203	None
UV Rating	ASTM G154	No discoloration after 2,500 hours
Service Temperature	Internal	-58 - 194°F
Density	Internal	Approx. 13.5 lbs./gal
Viscosity	RV T-E @ 4 rpm	Approx. 900,000 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.*