AVW-920

AAMA Approved High Performance Acrylic Latex

PECORA CORPORATION

SPECIFICATION DATA SHEET

BASIC USES

- In-shop fabrication of windows as a primary bedding compound for glass in wood, vinyl, aluminum and pultruded extrusions.
- Exterior weatherseal
- Toe, cap and/or heel bead
- Pre-cast tiltup panels

MANUFACTURER

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PRODUCT DESCRIPTION

Pecora's AVW-920 High Performance Acrylic Latex is a one-part, water based sealant specially formulated for the window and door glazing industry. It has excellent color stability and resistance to ultra violet rays, ozone and airborne contaminants. AVW-920 can also be used in architectural applications where greater movement is anticipated and flexibility is needed.

Limitations: AVW-920 is not recommended for:

- Applications under prolonged water conditions.
- Surfaces contaminated with oils, dirt, or release agents.

TECHNICAL DATA

Applicable Standards: AVW-920 meets or exceeds ASTM C920 Type S, Grade NS, Class 25, Use G, A, M, and O, ASTM C834, and AAMA 802.3 Type I.

INSTALLATION

Bedding: Standard caulking guns or industrial pumping equipment may be used for successful sealant application. Hoses, pumps, or header systems must be moisture resistant to prevent pump corrosion and curing of sealant in delivery systems. Windows must be properly weeped or entrapped water could cause failure in insulated glass units.

Joint Design: Good joint design in the construction industry dictates four times the anticipated movement of building components be used when calculating joint width and should fall within the range ¼" (6 mm) to ¾" (19 mm). The depth of the joint should be ¼" (6 mm) minimum to ½" (13 mm) maximum. The 4:1 design factor accommodates both thermal movement and wide variations in tolerances of construction materials, fabrication and erection often found in the field.

Surface Preparation: Contact area should be clean, sound and free of contaminating substances such as oil, grease, asphalt, tar, etc. Dampness but not saturation or standing water in porous substrates can be tolerated.

PACKAGING

- 10.1 fl. oz. (300 ml) plastic cartridges
- 5-gallon (18.9 L) pails
- 50-gallon (189.2 L) drums

COLOR

- Almond, Tru-White, Translucent (cartridges only)

Joint Backing: Joints greater than ½" (13 mm) deep should be filled to within ½" (13 mm) of the surface with either polyethylene or polyurethane backer rod, preferably of a non-gassing, non-absorbing type. Use a diameter that will compress about 25% when installed. In joints too shallow to take backer rod, use a bond-breaker tape to prevent three-sided adhesion.

Priming: Priming generally is not required.

Application: Although the freezing point of AVW-920 is considerably below 32°F (0°C), for best performance, protect it from severe cold and apply above 40°F (4°C). Fill all joints completely and tool lightly to ensure full contact to both sides of the joint and present a smooth surface. For bedding applications, a 5/32" (4 mm) or 3/16" (5 mm) diameter bead is recommended.

TYPICAL PHYSICAL PROPERTIES & COVERAGE RATES

Test Property	Value	Test Procedure
Adhesion and Peel (pli)		AAMA 800
Aluminum	29	
Glass	27	
PVC	27	
Wood	28	
Artificial Weathering	Pass	ASTM C732
Cycle Movement (±25)		ASTM C719
Aluminum	Pass	
Glass	Pass	
Mortar	Pass	
Extrudability (4 g/sec.)	Pass	ASTM C731
Hardness, Shore A	28	ASTM C661
Low Temperature Flex	Pass	ASTM C793
Tack Free Time (hours)	1-2	ASTM C679
Slump	<0.2" (Pass)	ASTM D2202
VOC (g/L)	18	ASTM D3960
VOC Emissions (TVOC)	Pass (Classroom Scenario)	CDPH v1.2-2017

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For architectural joints, use a resilient backer rod to control sealant depth to ½" (12 mm) maximum or bond-breaker tape to prevent three sided adhesion in shallow but moving joints. Fill joints completely and tool lightly to ensure full contact to joint sides.

Painting: Sealant may be painted within 2-4 hours after application with quality grades of latex or oil-based paints.

Clean Up: Water or damp cloth may be used to remove excess sealant from substrate and clean tools before cure. Cured sealant must be removed with a scraper or knife.

Storage Life: Twelve (12) months from date of manufacture when stored unopened at 80˚F (27˚C). Sealant can withstand five freeze-thaw cycles, however, for best performance, protect from serious cold.

Precautions: AVW-920 is non-flammable, non-toxic, non-irritating, and environmentally safe. Do not take internally. Refer to Material Safety Data Sheet for additional information.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.

AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty, or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty, including but not limited to incidental or consequential damages.

MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under "INSTALLATION".

TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688.

FILING SYSTEMS

- CSI MasterFormat Designations:
  -07 92 00 - Joint Sealants
  -08 50 00 - Glazing Accessories