Pecora® AVB Silicone

Silicone Sealant for Air-Vapor Barrier Surface Transitions

PECORA CORPORATION

SPECIFICATION DATA SHEET

BASIC USES

- Adhesion to high density polyethylene peel and stick laminates.
- Adhesion to liquid applied air and vapor barriers and building wraps.
- Termination and transition seals.
- Joint sealant for difficult to adhere to surfaces.
- Adhesive for Pecora XL-Span Silicone Transition Membrane system.

MANUFACTURER

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PRODUCT DESCRIPTION

Pecora AVB is a single component, 100% silicone sealant designed to adhere to low surface energy materials utilized in traditional and novel air and vapor barriers. Pecora AVB Silicone is designed as an integral component for transition seals between dissimilar materials in air and vapor barrier systems.

Product Advantages:

- Primerless adhesion to difficult to adhere to weather resistant barriers.
- Excellent weatherability: Because of its 100% silicone composition, it is virtually unaffected by UV, precipitation, ozone, and temperature extremes.
- Resilient: Will remain flexible under extreme temperature conditions.
- Superior green strength.
- Compatible with natural stones and other porous surfaces susceptible to staining or silicone fluid migration.

Limitations:

Pecora AVB Silicone should not be used in the following applications:

- Water immersion or below grade applications.
- Dynamic joints subject to significant movement during initial cure, particularly during low humidity/temperature conditions or substantial temperature fluctuations.
- On surfaces requiring painting with traditional organic based coatings.
- As a structural glazing sealant.
- To seal polycarbonate substrates. Consult Pecora Technical Service for recommendations.

TECHNICAL DATA

Pecora AVB Silicone meets or exceeds the requirements of the following industry specifications:

- ASTM C920 Type S, Grade NS, Class 25, Use G, M, A and O (Polyethylene).
- Acceptance by U.S. Department of Agriculture for use in meat and poultry processing plants.

UL Design Number: EWS0024.

INSTALLATION

Surface Preparation: Clean all surfaces by removal of foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants or glazing compounds and any protective coating.

Porous substrates and precast concrete panels using form release agents other than polyethylene film should be cleaned by grinding, saw cutting, blast cleaning (water or sand), mechanical abrading or a combination of these methods which will provide a sound, clean and dry surface for sealant application. Dust, loose particles, etc. should be blown out of joints with oil-free compressed air or vacuum cleaned.

PACKAGING

- 20 oz. (592ml) sausages

COLOR

- Black
- Custom colors available upon request. Minimum batch quantity of 30 gallons will apply.

Metal, glass and plastic surfaces should be cleaned by solvent procedure or by mechanical means. Soap or detergent and water cleaning treatments are not recommended. Cleaning of all surfaces should be done on the same day on which the sealant is applied.

CAUTION: Solvents may be toxic and/or flammable. Refer to solvent manufacturer's instructions or Material Safety Data Sheet.

Priming: Pecora AVB Silicone does not require priming on most common substrates including most air and vapor barrier materials. When sealing surfaces not pre-approved by the Pecora Technical Service group, we strongly suggest adhesion pretesting, either in the field or in our laboratory.

Where primer is indicated, P-225 should be used on porous substrates and P-120 on non-porous surfaces.

Pecora offers complimentary adhesion and stain testing in its laboratory on actual field samples of substrate from the jobsite or on representative samples from the same lots. Contact Technical Service for details.

APPLICATION

Transition Seals: Care should be taken to avoid sealant application to adjacent surfaces. Sealant

TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Procedure
Dynamic Joint Movement (%)	±25	ASTM C719
Elongation (%)	660	ASTM D412
Tensile Strength (psi)	112	ASTM D412
Modulus, 100% Elongation (psi)	55	ASTM D412
Tack-Free Time (minutes)	50	ASTM C679
Adhesion	Pass	ASTM C794

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should be applied in a continuous operation using sufficient material to ensure continuous air seal and adhesive performance. A minimum 3/8" bond line is recommended to achieve sufficient bonding and air barrier performance. Apply sufficient uniform pressure to ensure contact to all surfaces to be joined.

Joint Applications: Proper sealant dimensions are critical when installing elastomeric joint sealants. Generally, a sealant width-to-depth ratio of 2:1 is recommended. Dynamic joint conditions will require a minimum 1/4" width and 3/16" depth in order to maintain the sealant's movement capabilities. For joints greater than 1", consult Technical Services. Lap shear joints should have a bead width which is equal to or greater than the total anticipated movement. Small curtainwall panels and lites should allow a minimum width of 1/4" (6 mm) for the sealant bead. Larger panels for which a great deal of movement is expected should allow a minimum width of 1/2" (12 mm) for the sealant bead. Glazing of plastic lites and panels fabricated from plastic require larger than usual joint dimensions due to the high coefficients of thermal expansion/ contraction.

Tool Time: (Initial skin): 25-35 minutes at 77°F (25°C), 50% humidity. Higher temperatures and/ or humidity will shorten this time.

Cleaning: Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Also use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc.
(Caution: mineral spirits is flammable and toxic. Observe manufacturer's precautions.)

Shelf Life: Pecora AVB has a shelf life of 12 months from date of manufacture when stored in unopened sausages at temperatures lower than 80°F (27° C), or 9 months in tightly-sealed bulk packages at temperatures lower than 80°F (27° C).

Precautions: Use with adequate ventilation or wear an appropriate NIOSH approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more 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 Pecora AVB Silicone to meet the published specifications within the published shelf life. Under this warranty, we will provide, at no charge, replacement materials for or refund the purchase price of Pecora AVB Silicone if proven to fail to conform to published specifications. 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 of 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 damage.

MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is necessary. 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.

Application: Install backup material or joint filler. Apply sealant in a continuous operation. In cap bead glazing, tool the sealant applied at the sill so that precipitation and cleaning solutions will not pool. Refer to Technical Bulletin #166 and #189 for a list of substrates that have been tested and approved for use with Pecora AVB Silicone.

FILING SYSTEMS

CSI MasterFormat Designations:

- 07 25 00 - Weather Barriers
- 07 27 00 - Air Barriers
- 07 27 26 - Fluid-Applied Membrane Air Barriers
- 07 92 00 - Joint Sealants

air barrier association of america
abaa
EVALUATED

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Pecora Corporation
Product: AVB Silicone

C719: Pass ✔ Ext:+25% Comp:-25%

Substrate: unprimed anodized aluminum, mortar (concrete) primed with P-225 Primer, and unprimed glass.

Validation Date: 6/12/23 - 6/11/28

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