

EVER-PATCH

Non-Sag Joint Sealant

TECHNICAL DATA SHEET

EVER-PATCH is an elastomeric, low-modulus, one component, moisture-curing, non-sag, polyurethane sealant. The product requires no mixing and typically requires no priming to bond to many materials.

FEATURES AND BENEFITS

EVER-PATCH has very good adhesion to most construction materials. It is particularly recommended for expansion joints between precast concrete panels and seams on wooden, aluminum, and PVC joinery. The product is designed for the civil and industrial construction markets.

- Ready to use and easy to gun and tool/No mixing and speeds application.
- Low VOC content/Approved in all 50 states for use.
- +/- 35% joint movement capability/Maintains flexibility in moving joints
- No primer required for most construction materials/Cost reduction.
- Maintains excellent weather resistance/Gives long lasting joint seal.
- Delivers a practical service temperature range/Can be used in all climates.
- Packaged in cartridges, sausages, and in bulk/Jobsite waste is reduced.

White, Gray **COLOR**

PACKAGING
10.1 Oz. (300 mL) Cartridges (12/Carton)
20 Oz. (592 mL) Sausages (12/Carton)

STORAGE AND STABILITY
temperatures between 40° - 95° F (4° - 35° C), shelf life is one year from date of manufacture, except for pails and drums, which have a shelf life of six months.

COVERAGE
This chart shows the approximate number of lineal feet that can be sealed per gallon.

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Tensile Strength, ASTM D412	180 psi 1.24 MPa
Elongation, ASTM D412	903%
Tear Strength, ASTM D624	42.2 pli 7.39 kNm
Shore A Hardness, ASTM C661	30-40
Specific Gravity @68°F (20°C)	1.31
Movement Capability, ASTM C719	±35
Weathering Resistance, ASTM C793	Excellent
Stain and Color Change, ASTM C510	Pass
Substrate Staining	None
UV Resistance	Good
Application Temperature	41° - 104°F (5° - 40°C)
Service Range	-40° to 180°F (-40° to 82.2°C)
Rheological Properties, ASTM C639	Pass
Peel on Aluminum-Dry, ASTM C794	23 pli, c.f.
Peel on Glass-Dry, ASTM C794	28 pli, c.f.
Peel on Concrete Mortar-Dry, ASTM C794	25 pli, c.f.
Tack-Free, ASTM C679	165 minutes
Final Cure	4 - 7 days
Paint Compatability	Water-Based Compatible Check for Solvent-Based Compatible
VOC Content	96 g/L

TECHNICAL
DATA SHEET

EVER-PATCH



Linear Feet Per Gallon

		Width of Joint						
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Depth of Joint	1/4"	308	205	154	122			
	1/2"				82	68	58	51
	3/4"					51	44	38

When estimating, figure 11 cartridges/gal. (3 cartridges/L).

Cubic in./gal. – 231 (1000 cm³)

Cubic in./cartridge – 21 (344.13 cm³)

For triangular cross-section joints:

1/4" (6.35 mm) each side – 616 linear ft./gal. (49.6 m/L)

1/2" (12.7 mm) each side – 154 linear ft./gal. (12.4 m/L)

3/4" (19.1 mm) each side – 68 linear ft./gal. (5.5 m/L)

SURFACE PREPARATION

Substrate must be clean, dry, and free of dust and grease. Be sure interfaces are free of curing compounds and/or saw residue.

SPECIFICATIONS/STANDARDS

- ASTM C920-11, Type S, Grade NS, Class 35, Use T1, T2, NT, O, M, G, A
- Federal Specification TT-S-00230C, Type II, Class A
- USDA compliant for use in meat and poultry areas
- ISO 11600-F-25LM
- Complies all U.S. VOC regulations, including National EPA VOC
- Emission Standard for Architectural Coatings, CARB, SCAQMD,
- Maricopa County, Colorado AIM, Utah Department of Air Quality,
- LADCO, and OTC Phase I and II

APPLICATION INSTRUCTIONS

EVER-PATCH can be applied with a manual or pneumatic caulking gun. Use typical joint sealing practices and proper joint design of 2:1 width to depth ratio when applying. Horizontal joints require a minimum of 1/4" (6.4 mm) depth and maximum 1/2" (12.7 mm) depth. Condition material to 65° - 75° F (18.3° - 23.9° C) before using. After application, the product can be smoothed with a damp knife.

CLEANUP

Application tools can be cleaned with toluene or xylene before curing. Afterwards, mechanical cleaning will be required. Check local, state, and federal laws before disposing of material.

TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Roof energy evaluations, life cycle cost analysis, and other roof management services are also available from an EVERROOF® Technical Consultant.

PRECAUTIONS

Check for compatibility to materials and working techniques not outlined above. EVER-PATCH must be

fully cured prior to installation of other materials over the product. Do not apply on wet substrates. Do not apply at temperatures outside application temperature range. (See physical properties chart.)

HEALTH AND SAFETY

EVERROOF® is committed to the health and safety of our customers. EVERROOF® products shall only be installed by certified contractors. Applicators are required to follow all proper handling, safety and installation procedures. Safety Data Sheets (SDS) are available on this material. Any individual who may come in contact with these products should read and understand the SDS.

VAPOR INHALATION

For exterior use only. Do not use indoors. Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

SKIN CONTACT

To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves. Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician.

EYE CONTACT

Eye Contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

LIMITED WARRANTY. Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and to be applied by professionals who have prior experience and training with the use and application of our materials, and who are fully aware of all Federal, State and local rules, regulations, and code requirements for storage, transportation, handling, installation, and application. Published technical data and instructions are subject to change without notice. Contact your local representative or visit our website for current technical data, SDS, instructions, and project specific recommendations. We warrant our products to be free of manufacturing defects and that they will meet our current published physical properties within the shelf life of products.

Our sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. We will not be liable for damages of any sort, including remote or consequential or punitive damages resulting from any claimed breach of any warranty whether expressed or implied. We will also not be responsible for use of this product in a manner to infringe on any patent held by others. No warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, adhesion, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. We reserve the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator. Your sole and exclusive remedy against us shall be limited to the paid cost of the materials sufficient to replace any affected areas where product failure has occurred. The cost of replacement materials shall, in no event, exceed the value of the original purchase price of the products, subject to equitable reductions for time of use.

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