

EVER-REPAIR

Silicone Roof Sealant

TECHNICAL DATA SHEET

EVER-REPAIR is a one-part, moisture curing, room-temperature vulcanizing (RTV), 100% silicone roof sealant. EVER-REPAIR is a high performance product offering excellent UV resistance and weathering characteristics with no hardening, chalking or cracking. It offers excellent adhesion to a variety of building materials. EVER-REPAIR is used on metal roof seams, flashings, fasteners, drains, aged single ply membrane roofs, existing SPF, modified bitumen and other repair areas. EVER-REPAIR is also used as a weather seal, for vertical and horizontal crack repairs and for adhesion on 2-point control joints. It can also be used for EIFS installation and restoration. EVER-REPAIR provides excellent tensile strength and high flexibility.

FEATURES AND BENEFITS

EVER-REPAIR 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.

- Permanent ponding water resistance
- Adhesion to multiple substrates without primer
- Excellent adhesion and hang - vertical and horizontal applications
- Excellent weatherability
- Rain safe in 1 hour
- Primary or secondary seal against water, air and duct penetration
- Wide temperature application range: 41°F to 140°F (5° to 60°C)
- Wide temperature performance range: -76°F to 392°F (-60° to 200°C)
- 100% silicone moisture-cure technology
- High performance sealing for buildings
- Ready to use and requires no mixing or additives

COLOR

EVER-REPAIR is primarily available in White. For special projects, custom color matching is available at an additional charge.

PACKAGING

10.2 fl. oz. (300 ml) cartridges

20.2 fl. oz. (600 ml) sausages

PRODUCT CHARACTERISTICS	
Type	100% silicone, one-part RTV
Appearance	Smooth, non-slump paste
Temperature Range‡	
Application Temperature Range	Ambient to 120°F (50°C)
Useable Temperature Range	-60°C a 200°C (-76°F a 392°F)
Drying Time*	
Tooling/Skin-Over Time	5-10 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

‡Please consult CSL for suitability for application at lower temperatures.

PHYSICAL PROPERTIES	
Uncured	
Specific Gravity	1.03
Extrusion Rate (1/8 "[3.2 mm] orificio, 90 psi)	150 g/min
Slump/Sag	0.1" (2.54 mm)
Cure System	Neutral (Oxime), Moisture Cure
Cured at Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	27 points
Tensile Strength (ASTM D412)	250 psi (17.6 kg/cm ²)
Elongation at Break (ASTM D412)	400%
Tear Resistance (ASTM D624, Die B)	28 ppi (4.9 kN/m)
Shrink Factor	None
Joint Movement Capability	±25%

*At standard conditions 77°F (25°C) and 50% relative humidity

STORAGE AND STABILITY

EVER-REPAIR when stored in original, unopened container in dry, shaded conditions, away from

EVERROOF®

sources of heat or ignition, and stored below 90°F (32°C), has a shelf life of 15 months from date of manufacture.

SURFACE PREPARATION

Be sure interfaces are free of curing compounds and/or saw residue. To attain proper adhesion, substrates must be clean and dry, and free of dust, dirt, and grease before sealant is applied. If necessary, it is recommended to clean the surface with oil-free solvent. All plastic surfaces may be cleaned with isopropanol. It may be necessary to use a cleaner and/or power wash the substrates prior to the application of EVER-REPAIR to enhance adhesion. Contact EVER-ROOF® with any questions. Priming is normally not required for applications to non-porous surfaces. Applying a small trial bead and allowing 7 days for maximum adhesion to occur can easily test unprimed adhesion. If primer is required contact manufacturer.

APPLICATION INSTRUCTIONS

EVER-REPAIR ready to use and requires no mixing or additives. Curing begins as soon as the sealant is exposed to air. At conditions of 77°F (25°C) and 50% relative humidity, a bead of sealant 1/8" (3mm) will skin over in 5-10 minutes and fully cure in 24 hours, attaining full physical properties in 7 days. Skin-over and cure time will vary with humidity. Cure time will also vary with the degree of confinement. Tooling, if necessary, should be done before skinover takes place.

EVER-REPAIR should not be applied below grade, to surfaces under continuous water immersion, to substrates that bleed oils, plasticizers or solvents (e.g. impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes), to surfaces in direct contact with food, and to surfaces that will be painted over.

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-REPAIR 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.

EVER-REPAIR uses a neutral cure system, so no acetic acid or objectionable by-products are evolved during cure. Adequate ventilation should be provided with extensive use of this sealant.

On direct contact, uncured sealant may irritate eyes. Flush well with water and call a physician. Avoid prolonged contact with skin. See Safety Data Sheet available on this product.

KEEP OUT OF REACH OF CHILDREN.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards & regulations.

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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