

20 YR SYSTEM QUICK SPEC

METAL

High Solids Acrylic Coating System

39 Dry Mils

DESCRIPTION

The EVER-CRYLIC COOL ROOF RESTORATION SYSTEM for metal roofs is a coating system comprised of premium elastomeric acrylic coatings and primers. This high-performance coating system protects the existing roof from the harmful effects of UV, greatly reducing thermal shock and prolonging the life of the roof while helping maintain internal temperatures and reducing cooling costs. It is tested and certified to meet CRRC guidelines for Title 24 compliance.

BASIC USES

The EVER-CRYLIC COOL ROOF RESTORATION SYSTEM is a tough, durable system designed to extend the life of a wide range of roof top environments from premature weathering and moisture intrusion. It is effective as a protective membrane to coat an entire roof, or to use for spot repair.

FEATURES & BENEFITS

- Prolongs the life of an existing roof surface while helping to lower internal temperatures and reduce cooling costs
- High tensile strength and abrasion resistance
- Excellent adhesion to a variety of roof substrates
- Ease of application - extremely fast and simple to install
- Can be used to reinforce and seal seams, penetrations, transitions, terminations, and to make spot repairs
- Economical - extends the life of your existing roof
- Quick Set version is available to shorten cure time
- Can be re-coated up to 7 to 10 days between coats
- UL-790 Class "A" fire resistance rating

WARRANTY

EVERROOF® offers two Limited Warranties:

1. Material Only Warranty - No Charge
2. Labor & Material Warranty - For Approved Applicators Only

Fees and other conditions will apply. Consult your EVERROOF representative. See Warranty System Sheet for Wet and Dry Film Thickness Requirements.

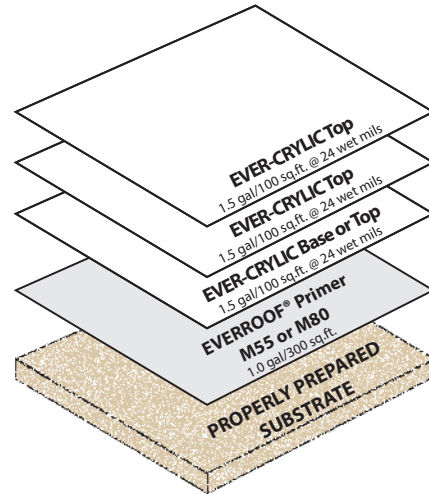
REQUIRED MATERIALS

- EVERROOF Primer M55 Alkyd Metal Primer, or EVERROOF Primer M80 Epoxy Primer
- EVER-CRYLIC Base and Top Coat
- EVER-FABRIC 3 oz.
- EVERROOF Webseal with polyester backing
- EVER-CRYLIC Roof Flash, or EVER-THANE® Roof Flash

Consult your EVERROOF representative for project specific requirements.

The EVER-CRYLIC SYSTEM provides tenacious adhesion with an existing roof system to form a monolithic membrane. The result is a CRRC rated system that exceeds all Title 24 requirements.

20 YEAR SYSTEM COVERAGE FOR METAL ROOFS



CEMENTS AND COATINGS FOR ROOFING SYSTEMS AS TO EXTERNAL FIRE EXPOSURE (R27681)



SYSTEM DESCRIPTION

The EVER-CRYLIC system is comprised of options for primer and base and top coats to cover and protect your roof:

1. EVERROOF Primer M55 is a single-component, high solids red oxide alkyd metal primer for steel surfaces. It is fast drying, rust inhibitive, and easy to apply by brush, spray or roller.
2. EVERROOF Primer M80 is a two-component, solvent based epoxy-polyamine primer with unique penetrating characteristics. It has quick recoat time and is low viscosity.
3. EVER-CRYLIC Base is a 100% acrylic elastomeric base coat intended for use in conjunction with EVER-CRYLIC Top.
4. EVER-CRYLIC Top is a multi-purpose 100% acrylic elastomeric coating for use as a base and top coat over a variety of substrates including single-ply and metal roofing. EVER-CRYLIC Top Coat exceeds ASTM D6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

STORAGE & HANDLING

Keep containers closed, and store in a dry, cool place away from heat, sparks, open flame, and moisture. Keep material stored above 65°F (18°C) and on wood pallets off concrete floors. Open containers should be blanketed with dry nitrogen before resealing.

20 YR QUICK SPEC METAL

EVER-CRYLIC®



TECHNICAL DATA

Packaging	1 gal can 5 gal pail 55 gal drum	
Coverage Rate Per Gallon	1.5gal/100sq.ft.=24 wet mils	
PHYSICAL PROPERTIES	BASE COAT	TOP COAT
Tensile Strength, ASTM D-2370	150 psi	200 psi
Elongation, ASTM D-412	350%	310%
Wet Adhesion, ASTM C-749	2.1 pli	2 pli
Tear Strength, ASTM D-624	105 pli	90 pli
Appearance after 1000 Hours, ATSM D-4798	No Cracking or Checking	
Elongation after Weathering, ASTM D-2370	450%	175%
Permeance (perms), ASTM D-1653	4 perms	6 perms
Water Swelling, ASTM D-471	16%	10%
Fungi Resistance, ASTM G-21	Zero Rating	Zero Rating
Volume Solids, ASTM D-2697	52%	54% ± 2
Weight Solids, ASTM D-1644	67%	69%
Viscosity, ASTM D-562	105 KU	110 KU

ADHESION TEST

To ensure successful application of the EVER-CRYLIC system always perform several adhesion tests (ASTM D-903) with the coating to ensure the roof substrate will accept the coating. Do not proceed with coating system without prior testing.

PRE-INSPECTION

Inspect roof for necessary repairs before application of coating system. Inspection should include but not be limited to the following:

- HVAC units and flashings
- Ponding water
- Parapet wall conditions
- Wet or damp insulation
- Sign or display anchorage
- Seams, terminations, transitions, and reglets
- Water leakage
- Substrate damage or disrepair
- Proper drainage and obstructions
- Copings and flashings
- Sleepers and pitch pockets

SURFACE PREPARATION

1. Remove all unnecessary and non-functional equipment and debris from the roof.
2. Remove dirt and foreign material detrimental to adhesion or application by thoroughly cleaning all roof surfaces with a high pressure (2,000 - 2,500 psi) (13.79 MPa - 17.24 MPa) wash. Surfaces contaminated with oil, grease, animal fats, etc. must be removed using tri-sodium phosphate and water, or other solutions as required by job conditions and as permitted by local and federal regulations. Remove all cleaning solutions with plenty of fresh water and allow to dry.
3. Metal seam and flashing failures must be repaired by traditional and professional roofing practices. Tighten and/or replace all existing fasteners, install crickets and complete metal sheet work repairs.
4. Prime all areas with EVERROOF Primer M55 or M80 and

allow to cure. Detail all roof penetrations, skylights, rake edges, round projections, machine legs, sign posts, guide wire straps, inside and outside corners, gutters, joints, pipes, voids, protrusions and any areas where water could enter through the roof. Encapsulate all fasteners with EVER-CRYLIC Roof Flash or EVER-THANE® Roof Flash. Clean and seal all drain areas watertight. Use EVER-FABRIC or EVERROOF Webseal where necessary.

5. On all flat seams apply one pre-coat of EVER-CRYLIC Roof Flash or EVER-THANE® Roof Flash at a rate of 3.0 gallons per 100 sf @ 50 wet mils minimum and embed EVER-FABRIC in between layers of wet resin. EVER-CRYLIC Roof Flash or EVER-THANE Roof Flash shall extend a minimum of 2 inches beyond both edges of seam.
6. On metal roofs with standing seams apply EVER-CRYLIC Roof Flash or EVER-THANE® Roof Flash to seal them completely.
7. Allow prepared surfaces to become tack free before proceeding with additional priming or coating application. Note: Thickness values of cured film are averages and can vary due to finish of surface.

ALWAYS CHECK THE WEATHER PRIOR TO APPLICATION. Depending on the ambient and substrate temperatures, relative humidity, and dew point precautions should be taken when applying materials if precipitation or freezing temperatures are anticipated. Consult product data sheets. Do not apply over wet insulation or related materials.

COATING APPLICATION

1. Apply EVERROOF Primer M55 or Primer M80 to the substrate at a theoretical coverage rate of 1/3 gal/100 sf @ 5 wet mils and allow to cure.
2. Apply base coat of EVER-CRYLIC Base or Top Coat at the rate of 1.5 gallons per 100 sf @ 24 wet mils.
3. Apply top coat of EVER-CRYLIC Top Coat at the rate of 1.5 gallons per 100 sf @ 24 wet mils.
4. Apply top coat of EVER-CRYLIC Top Coat at the rate of 1.0 gallons per 100 sf @ 24 wet mils to yield a total of 39 dry mils of coverage (minimum requirement for 20-year warranty). Actual required application rate will depend on system specified and length of warranty.

DO NOT EXCEED 1.5 GALLONS PER 100 SF PER APPLICATION for EVER-CRYLIC BASE or TOP COAT. This could cause mud cracking, blisters or pinholes. Care should be taken to avoid sagging, pinholes, and runs of the coating on vertical, horizontal, and slanted surfaces. Application rate may need adjusting if coating starts to sag on verticals or higher slopes. Allow base coat and/or top coat to dry 24 hours between coats. Additional coats may be required to achieve required mil thickness. EVER-CRYLIC QS quick set version is available to speed cure time in cool conditions. Actual required application rate will depend on system specified and length of warranty.

Protection: After completion of application, do not allow traffic on coated surfaces for a period of at least 48 hours at 75°F and 50% R.H., or until completely cured.

EQUIPMENT

Spray Applied - See EVERROOF's Spray Application Guide.
Dipped and Rolled - Brushes of various sizes and a 3/8" nap roller should be used when applying on smooth surfaces such as metal.

THIS QUICK SPEC IS MEANT ONLY AS AN OVERVIEW OF INSTALLATION PROCEDURES. IT IS NOT MEANT TO REPLACE THE DETAILED SPECIFICATION REQUIREMENTS THAT APPEAR IN THE LOW SLOPE RESTORATION SYSTEM SPECIFICATIONS. ALWAYS REVIEW THE DETAILED SPECIFICATION PRIOR TO BEGINNING ANY PROJECT. Published technical data and instructions are subject to change without notice. Contact your local EVERROOF® representative or visit our website for current technical data and instructions. Not responsible for typographical errors. REV20190916EA