



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-CP Adhesive-FM

P/N: 010-0060 (5 gallon)

010-0059 (55 gallon)

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-CP Adhesive-FM is a ready to use, SBS modified bitumen based cold adhesive that contains a bituminous binder with sticking agents and low solvent percents (complies with California VOC regulations). It is used for membrane adhesion in lieu of hot asphalt to acceptable and properly prepared low slope and horizontal substrates. This adhesive is applied by squeegee, or spray. ERS-CP Adhesive-FM meets ASTM D 4479 criteria.

Ecology Roof Systems will not warrant solvent-based cold adhesive applied membrane roofing systems installed over cover boards where EPS insulation is utilized as the thermal insulation without prior written consent from the Ecology Roof Systems' Technical Department. Note: Ecology Roof Systems will require a barrier that will resist the migration of solvent vapor to be placed between the EPS and the cover board in order to consider the assembly a warrantable system.

APPROVED SUBSTRATES:

- ERS-Recover Board, one-eighth (1/8") inch (3.2 mm) minimum.
- Perlite, three-quarter (3/4") inch (19 mm) minimum.
- High Density Wood Fiber Board (HDWFB) coated six sides, one-half (1/2") inch (13 mm) minimum.
- HDWFB, one-half (1/2") inch (13 mm) minimum.
- Plywood, one-half (1/2") inch (13 mm) minimum, wood plank, three-quarter (3/4") inch (19 mm) minimum or structural use panels, seven-sixteenth (7/16") inch (11 mm) minimum.
- ASTM C 1177 or ASTM C 1278 gypsum board, one-quarter (1/4") inch (6.4 mm) minimum.
- Polyisocyanurate* flat stock, one and one-half (1 1/2") inch (38 mm) minimum (depending upon Listing), polyisocyanurate* tapered system, one-half (1/2") inch (13 mm) minimum (Depending upon Listing) with approved cover boards*.
- Vapor retarders: ERS-530 T/T, ERS-503 H/T, ERS-505, hot mopped or adhered with membranes and base sheets are mechanically fastened to acceptable substrates prior to the application of the cold applied roof assembly. Contact Ecology Roof Systems for special installation requirements; see published Specification and Approved Details. *Note: Industry standards recommend, FM Approvals and in some cases UL requires that cover or rigid board be installed on top of polyisocyanurate insulations when applying cold adhesive systems. Generic cover boards are listed above.

APPROVALS:



LIMITATIONS:

- Cold applied, heat welded, hot mopped or self-adhesive inner ply or field cap membrane ply are installed over a field base membrane ply installed in cold adhesive. See individual membrane application methods. It is necessary to allow a wait period of three (3) days or that additional amount of time necessary for the adhesive to cure prior to allowing foot, equipment traffic, or new work to be performed over the applied field base membrane ply installed. When walking over the membrane, neither sunken footprint should be visible nor should the adhesive sustain a flame.
- Neither apply when ambient, membrane adhesive nor substrate surface temperatures are below 50° F (10° C) or have not warmed to those minimum temperatures. All coverage rates are approximate, theoretical and do not account for waste, spillage, irregular surfaces and roof mechanic and/or roofing contractor's supervisor or Architect of Record on-site inspector instructions or their acceptance of per job application techniques. Rates also vary depending upon cold adhesive, surface substrate and surface temperature(s) during application. The contractor is ultimately responsible to determine; day-to-day limitations and when to terminate work on a given

day because of those job-site limitations; how to maintain acceptable application and coverage ranges; and is responsible to complete the cold applied roof assembly that is acceptable to Ecology Roof Systems to issue a warranty and in effect successfully finished the roof assembly in accordance with Ecology Roof Systems General Requirements, Approved Details and Product Data Sheets.

- Do not apply to wet or damp surfaces or to single-ply membranes.
- Use electric pail warmers to elevate membrane adhesive temperatures so that at point of application the minimum and raising adhesive temperatures are maintained.

PHYSICAL PROPERTIES:

Property	ERS-CP Adhesive-FM
Description	Plastomeric bitumen membrane adhesive.
Installation	Squeegee or spray applied.
Packaging	18.9 L pail (5 gallon) or 207.9 L drum (55 gallon)
Application	Smooth surface: 1.5 – 2.0 gallons/square Porous surface: 2.0 – 2.5 gallons/square

PREFERRED SPRAY EQUIPMENT SPECIFICATIONS:

Pressure	4000 psi
Gallons Per Minute	5 gpm
Spray Tip Size	.051 to .061 (.055 most common)
Material Temperature	95° - 105 °F
Max Heat Temperature	120 °F (Do not expose material to flame or spark.)
Length of Hose	400 ft
Hose Inside Diameter	¾" id
Last 15-20 ft Inside Diameter	½" id

Note: These specifications are based on 400 feet of hose and may change if the material has to be pumped longer or shorter distances than 400 feet.

Ecology Roof Systems®

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To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Ecology Roof Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Ecology Roof Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ECOLOGY ROOF SYSTEMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.