



EPS

ROOFING RECOVERY BOARD

(R+) EPS RRB

(R+) Roofing Recover Board provides a layer of protection over old roof problems to help assure Long-Term Performance of the New Single-Ply Membrane systems currently on the market. Reclaiming the old roof system provides a dramatic reduction in Labor and Material costs.

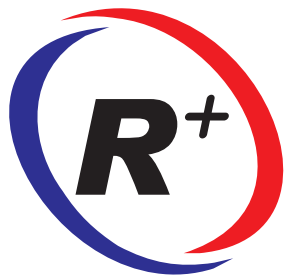
(R+) EPS RRB is made from moisture-resistant EPS (expanded polystyrened) foam. Multi-ply, high barrier facers to protect the EPS from plasticizers given off by PVC roofing membranes. This lightweight material, along with it's fan-fold configuration of 4' x 50' that is packaged in compact, light weight bundles. The 50' length gives the installer the ability to cover more square footage in less time.



Features

- + (R+) EPS RRB is less expensive than other re-cover products, requires fewer fasteners per sq.ft. and is easier to handle. More R-Value, per dollar installed.
- + EPS has a 35 year history of proven performance in the roofing Industry. Available with a 20 year R-Value warranty
- + Classified as a roofing protection board under UL 790 for any single ply PVC membranes
- + Cut hinges allow fanfold to lay flat and stay flat
- + Superior water absorption properties: less than 4% by volume (ASTM C272), does not absorb moisture from the environment.
- + Contains no dyes, formaldehyde or ozone depleting CFCs, HCFCs or HFC. It is made with recycled material, the EPS foam core is 100% recyclable.
- + Available in 1/4" to 1" thick fan-fold (4' x 50') configuration
- + Also available in 4' x 8' sheets, in 3/8" to 5-3/8" thickness and a variety of compressive strengths
- + EPS is the most cost effective rigid insulation on the market today. You can pay more for other insulation products, but why?





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Installation Recommendations

- + The substrate should be flat, dry and free of any foreign materials that would damage the (R+) EPS RRB insulation board. Beginning of installation indicates that the contractor has accepted the condition of the existing substrate.
- + Some membrane manufacturers will require a higher concentration of fasteners. Consult the membrane manufacturer for installation instructions.
- + One fastener is placed at each corner of the leading and trailing edges of (R+) EPS RRB. One fastener is placed every 12 feet on altering sides of the sheet thereafter. (See Illustration).
- + When used with dark colored membranes, (R+) EPS RRB should be installed with the silver or foil side up.



(R+) EPS RRB meets or exceeds physical and thermal property standards as established in ATSM C 578

Physical Properties	Units	Test Method	Type I	Type VIII	Type II	Type IX
Compressive Resistance at 10% Strain Deformation (2" cube)	Min psi (kPa)	D 1621, C 165	10.6 (69)	13.0 (90)	15.0 (104)	25.0 (173)
Flexural Strength	Min psi (kPa)	C 203	25.0 (173)	30.0 (208)	35.0 (240)	50.0 (345)
Thermal Resistance (R-Value)* 75 ± 2° F (24 ± 1° C) 40 ± 2° F (4.4 ± 1° C)	Min R* for 1" thickness	C 177, C 518	3.85 (0.67) 4.17 (0.0)	3.92 (0.69) 4.25 (0.74)	4.17 (0.73) 4.55 (0.77)	4.35 (0.76) 4.76 (0.80)
Thermal Conductivity (K-Value)* 75 ± 2° F (24 ± 1° C) 40 ± 2° F (4.4 ± 1° C)	BTU/(hr)(Sq.Ft.)(F/in.)	C 177, C 518	0.260 (1.48) 0.240 (1.37)	0.255 (1.46) 0.235 (1.35)	0.240 (1.37) 0.220 (1.26)	0.230 (1.31) 0.210 (1.20)
Coefficient of Thermal Expansion	In./(In.)(F)	D 696	0.000035	0.000035	0.000035	0.000035
Moisture Resistance Water Absorption by total immersion	% by volume Max	C 272	< 4.0	< 3.0	< 3.0	< 2.0
Water Vapor Permeability of 1" (25.4 mm) thickness max perm	Max perm/in (ng/Pa*s*m²)	E 96	5.0 (287)	3.5 (201)	3.5 (201)	2.0 (115)
Oxygen Index	Min volume %	D 2863	24.0	24.0	24.0	24.0
Dimensional Stability (Change in dimensions)	Max %	D 2126	2.0	2.0	2.0	2.0
Max. Service Temperature Long Term / Intermittent	F		167 / 180	167 / 180	167 / 180	167 / 180
Flame Spread		UL 723	< 20	< 20	< 20	< 20
Smoke Developed		UL 723	150-300	150-300	150-300	150-300
Density, minimum	Min lb/ft³ (kg/m³)	C 303	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)
Density, nominal	lb/ft³		1.00	1.25	1.50	2.00

*R means resistance to heat flow. The higher the R-value, the greater the insulating power.
Federal Trade Commission requires; using the R-Value publication at 75°F temperature when calculating R-Values of all insulations.

Insulation Consideration:

- **DO NOT COMPARE** polyisocyanurate conditioned R-Values by RIC-TIMA and PIMA to EPS R-Values as per ASTM C-578
- Ask for a **20 year 100% R-Value Warranty**.
- EPS Insulation offers the **Best Insulating Value Per Dollar** than any material available today.



The information in this bulletin is presented in good faith, and is believed to be accurate. All statements are made without warranty expressed or implied.

FMI-EPS, LLC

9465 N. McGuire Rd.
280 Rose Street

Post Falls, ID 83854 USA
Jerome, ID 83338 USA

Ph: 208-777-8485
Ph: 208-324-5998

888-777-8485
www.fmi-eps.com