Submittal Sheet

Fanfold CRB Commercial Roofing Recovery Board

Insulation

Description

Fanfold CRB Commercial Roofing Recovery Board is an extruded polystyrene foam sandwiched between two tough plastic facers, featuring an advanced cut-and-fold hinge. The product lays flat and creates a smooth/level surface over most existing roofing systems, including smooth and gravel surfaces.

Uses

Fanfold CRB is used to protect and cushion single-ply roofing systems. The product can be used in mechanically attached, fully adhered, and loose-laid and ballasted roofing systems.

Features and Benefits

Excellent Protection

Fanfold CRB has tough plastic facers that help protect the roofing membrane from problems due to foot and mechanical traffic. Applied over an existing roof, the product helps prevent small gravel and other embedded objects from penetrating the membrane.

Moisture Resistance

Fanfold CRB will not absorb moisture or deteriorate during or after installation.

Easy to Handle

Fanfold CRB is a lightweight foam insulation board that unfolds quickly to cover a 200 square foot area. The lightweight bundles can be cut with a common utility knife, saving labor costs.

Strong and Durable

Fanfold CRB offers consistent application performance and is damage and break resistant.

INNOVATIONS FOR LIVING

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Availability

Fanfold CRB Commercial Roofing Recovery Board is available in 4' x 50' fanfolded bundles, folded in 2' increments. The product is 3/8" thick.

Packaging Dimensions

Thickness (inches)	0.375
Bundle Dimensions (feet)	4 x 50
Square Feet/Bundle	200
Bundles/Pallet	30
Square Feet/Pallet	6000

Typical Physical Properties

Property	Test Method	CRB
Thermal Resistance R-Value @ 75°F Mean Temp. (°F-ft²-h/Btu)[1]	C 518	1.5
Thermal Conductivity @ 75°F Mean Temp., k (Btu-in/hr-ft²-°F)	C 518	0.25
Water Vapor Transmission Rate (perm)	E 96 (Procedure A)	0.6
Water Absorption (% by Volume, Min./Max.)	C 272	0.5
Compressive Strength (psi @ 10% deflection, Min./Max.)	D 1621	25/27
Fire Characteristics	E 84/UL 723	
Flame Spread		10
Smoke Developed		140
Max. Recommended Use Temperature (°F)		165
Average Weight (lb./1000 sq. ft.)		105

1. Specimens are aged and tested in accordance with the FTC "R-Value Rule" (16 CFR, Part 460).

2. These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions. Core only data.

Contact your Owens Corning representative and/or roofing membrane manufacturer for the proper grade of Fanfold CRB for your application.

Warning: Foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. Protect foam insulation from exposure to open flame or other ignition sources during shipment, storage, and installation.

Storage and Handling: When stored outdoors, all material should be protected from exposure to direct sunlight using an opaque light-colored tarp or the original packaging. Material that has been unwrapped should be carefully rewrapped.

Coal Tar Pitch Roof System: Fanfold CRB can be installed directly over existing coal tar roof systems if the roof has not been resaturated within the previous 4 years. (Otherwise, use a polyethylene separator sheet between the Fanfold CRB and the existing roof system.) In addition, the new roof systems must be designed to limit the maximum coal tar temperature to 110°F to prevent volatiles from escaping from the existing system and attacking the Fanfold CRB. The design temperature at the surface of the Fanfold CRB installed over existing coal tar pitch roofs shall not exceed 165°F during installation or use. Fanfold CRB may not be compatible with certain PVC membranes. Check with the PVC membrane manufacturer for acceptability.

Compliance

Agency/ Organization	Report/ Standard Number
ASTM Specification	Not Applicable
Building Officials and Code Administrators International, Inc. (BOCA)	96-76
California Bureau of Home Furnishings Licence Number (CA BHF)	TB 1334
Canada – Underwriters Laboratories, Inc. (Roof System Approvals/Listings)	See UL Product Directory
Factory Mutual Systems Approvals (FM)	See FM Roofing Materials Guide
International Conference of Building Officials (ICBO)	4280
Minnesota Department of Energy, Chapter 7640	Yes
Southern Building Code Congress International, Inc. (SBCCI PST & ESI)	9855
Underwriters Laboratories, Inc. (UL) Classification Certificate	A 184
Underwriters Laboratories, Inc. (UL) Roof Systems Approvals/Listings	See UL Roofing Materials Directory