



CHCI.R9734 Roofing Membranes

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Roofing Membranes

[See General Information for Roofing Membranes](#)

KELLY CO-2001 INC

R9734

325 THOMASTON AVE
WATERBURY, CT 06702 USA

1. **Ballasted Single-Ply System-Single-ply** — Roofing membranes laid loosely over insulation (also laid loosely) and ballasted with 10 psf min of river bottom stone or equivalent.

2. **Adhered Single-Ply System-Single-ply** — Roofing membrane fully or grid adhered to insulation (secured to deck+) with manufacturer's Classified contact adhesive applied to insulation and to membrane at a rate of 0.75 gal per 100 sq ft.

3. **Mechanically Attached Single-Ply System-Single-ply** — Roofing membrane placed over insulation (secured to deck+) with steel screws++ in one of the following fastening systems:

- a. Plate bonded under or over the membrane employing 1' square KES bonding plates.
- b. Reverse Furring employing 5' strips of 1/2" minimum plywood 4' on center over the insulation substrate joints.
- c. KES "T" Bar fastened over the membrane.
- d. KES "T" Bar fastened in the lap.
- e. Lap fastened with steel plates.
- f. GrommetFast — Peel & Stick fastening and seaming system.

All membrane splices and laps shall be treated with splice adhesive and lap sealant per KES specs.

+Insulation secured to deck with fasteners described below through 3 in. square or round, metallic or nonmetallic washers or hot mopped.

++Screws for fastening through dry insulation into steel decks are No. 11-16, No. 2 Phillips head, Type S point by various lengths. Screws for fastening through lightweight insulating concrete into steel decks are 1/4 in. No. 14-10. No. 3 Phillips head, Type P point by various lengths. Screws for fastening through insulation (wet or dry) into concrete decks are 1/4 in. -15 double lead, hi-lo spaced thread, No. 3 Phillips head, nail type point.

Where specified below an optional wood fiber board insulation or gypsum wallboard may be used directly under membrane as specified under Manufacturer's Classification for Roofing Systems (See Roofing Materials and Systems Directory).

Ballasted system with optional wood fiber board or gypsum wallboard for use in Design Nos. [P229](#), [P235](#), [P505](#), [P507](#), [P811](#), [P909](#).

Ballasted, Adhered or Mechanically attached system with optional wood fiber board or gypsum wall board for use in Design Nos. [P225](#), [P227](#), [P230](#), [P508](#), [P513](#), [P701](#), [P708](#), [P709](#), [P711](#), [P715](#), [P801](#), [P810](#), [P815](#), [P904](#), [P905](#), [P906](#), [P910](#), [P911](#), [P912](#), [P913](#), [P914](#), [P915](#), [P916](#), [P917](#).

Ballasted, Adhered or Mechanically attached systems for use in Design Nos. [P211](#), [P215](#), [P216](#), [P231](#), [P237](#), [P241](#), [P242](#), [P246](#), [P251](#), [P405](#), [P406](#), [P407](#), [P410](#), [P511](#), [P513](#), [P902](#), [P903](#), [P907](#), [P908](#), [P919](#), [P920](#), [P921](#), [P922](#), [P923](#).

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