

Four-Ply Fiber Glass Cold Application Built-Up Roof Gravel or Mineral Surfaced. For use over wood or other nailable decks on inclines of up to 3" per ft (250 mm/m).

Materials per 100 ft² (9.29 m²) of roof area

Sheathing Paper (Wood board decks only) 1 layer

Felts:

Ventsulation Felt or GlasTite Flexible 1 layer
GlasBase Plus or GlasTite Flexible 3 layers

Interply: JM BUR Adhesive or MBR Cold Application Adhesive

Incline per foot	Adhesive	Per 100 ft ² (9.29 m ²)
Up to 3" (250 mm/m)	JM BUR Adhesive or MBR Cold Application Adhesive	4½-6 gal (18-24 l)

Surfacing: Coverage/ 100 ft² (9.29 m²)

Gravel	400 lb (195 kg)
Slag	300 lb (146 kg)
Granules	60 - 100 lb (29 - 49 kg)

Adhesive Types:

Asphalt Emulsion (Formerly TopGard Type B)	6 gal (24 l)
BUR Adhesive or MBR Cold Application Adhesive	3 - 4 gal (12 - 16 l)

*Must wait 30 days before applying a gravel surface.

Aggregate density, size and coverage will determine actual weight.

Approximate installed weight: 204 - 639 lb (92 - 290 kg).

General

This specification is for use over any type of approved structural deck (without insulation) which can receive and adequately retain nails or other types of mechanical fasteners that may be recommended by the deck manufacturer. Examples of such decks are wood and plywood. This specification is not for use directly over lightweight, insulating concrete decks.

Design and installation of the deck and/or substrate must result in the roof draining freely and to outlets numerous enough and so located as to remove water promptly and completely. Areas where water ponds for more than 24 hours are unacceptable and are not eligible to receive a Johns Manville Peak Advantage Guarantee.

Note: All general instructions contained in the current JM Commercial/Industrial Roofing Systems Manual should be considered part of this specification.

Flashings

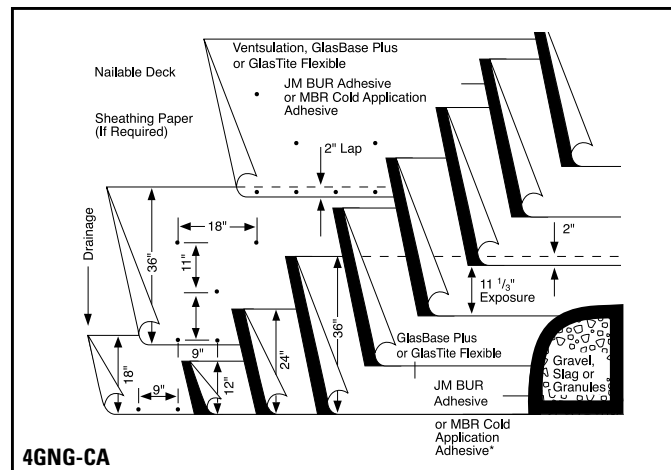
Flashing details can be found in Section 3 of the JM Commercial/Industrial Roofing Systems Manual.

Application

Over wood board decks, one ply of sheathing paper must be used under the base felt and on top of the wood board decks. Base sheet shall be cut into 18' (5.5 m) lengths and be allowed to relax before being installed.

Note: On roof decks with slopes up to 1" per ft (83 mm/m), the roofing felts may be installed either perpendicular or parallel to the roof incline. On slopes over 1" per ft (83 mm/m), refer to Paragraph 11.0 of this section for special requirements.

Using JM Ventsulation Felt, GlasBase Plus or GlasTite Flexible, start with an 18" (457 mm) width (the use of a specific base sheet may be a condition of guarantee). The following base sheet courses are to be applied full width, lapping the preceding felt 2" (51 mm) on the side laps and 4" (102 mm) on the end laps.



Nail the side laps 9" (229 mm) o.c. Down the longitudinal center of each felt, place two rows of nails spaced approximately 11" (279 mm) apart, with the nails staggered on approximately 18" (457 mm) centers. Use nails or fasteners appropriate to the type of deck with 1" (25 mm) minimum diameter caps. For additional fastener information, refer to the "Roof Deck" section of the current JM Commercial/Industrial Roofing Systems Manual.

Using GlasBase Plus or GlasTite Flexible, apply a piece 12" (305 mm) wide, then over that, one 24" (610 mm) wide, then over both, a full width piece. The following felts are to be applied full width, overlapping the preceding felts by 24¾" (627 mm) so that at least 3 plies of felt cover the base felt at all locations. Install each felt so that it is firmly and uniformly set, without voids, into the JM BUR Adhesive or MBR Cold Application Adhesive, applied before the felt at a rate of 1½ to 2 gal/100 ft² (6-8 l/9.29 m²) over the entire surface. Roll installed felts with a weighted roller before the end of each work day.

Surfacing

After the interply adhesive has cured, apply Asphalt Emulsion at the rate of 6 gal/100 ft² (24 l/9.29 m²). Into the emulsion, embed an acceptable gravel at a rate of 400 lb/100 ft² (195 kg/9.29 m²) or an acceptable slag at a rate of 300 lb/100 ft² (146 kg/9.29 m²). If applying a granule surface, apply JM BUR Adhesive or MBR Cold Application Adhesive* at the rate of 3-4 gal/100 ft² (12-16 l/9.29 m²) and embed therein 60 to 100 lb/100 ft² (29-49 kg/9.29 m²) of No. 11 granules. Aggregate must be installed so that there is complete coverage across the entire surface and at least 50% of the aggregate is solidly adhered in the cold application cement or emulsion. Gravel aggregate should meet the requirements of ASTM D 1863.

Check with a JM Technical Services Specialist for special requirements.

Note: For the most current information on general guidelines, please refer to the System Considerations tab under Systems Introduction & Selection on the JM Roofing Web site. For specifications, flashing details and general installation information please refer to the System Application tab.

Refer to the Material Safety Data Sheet and product label prior to using this product.