BUR Cold Application Specifications 4GIG-CA

Four-Ply Fiber Glass Cold Application Built-Up Roof Gravel or Granule Surfaced. For use over JM insulation, approved decks or other approved insulations, on inclines of up to 3" per ft (250 mm/m).

Materials per 100 ft² (9.29 m²) of roof area

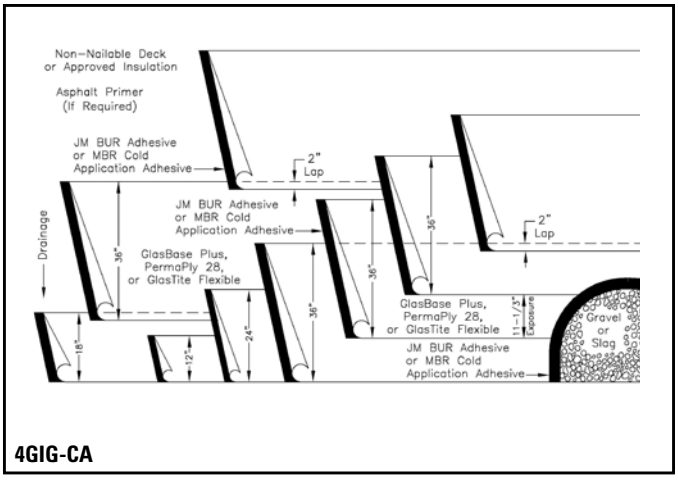
Asphalt Primer (If required)	½ to 1 gal (2 to 4 l)
Felts:	
GlasBase Plus, PermaPly 28 or GlasTite Flexible	4 layers

Interply: JM BUR Adhesive or MBR Cold Application Adhesive

Incline per foot	**Adhesive**	**Per 100 ft² (9.29 m²)**
Up to 3" (250 mm/m)	JM BUR Adhesive or MBR Cold Application Adhesive	9-11 gal (37-45 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: 222 - 613 lb (101 - 278 kg).



4GIG-CA

General

This specification is for use over any type of approved structural deck which is not nailable and which offers a suitable surface to receive the roof. Poured and precast concrete decks require priming with Asphalt Primer prior to application of the cold application roof adhesive.

This specification is also for use over JM roof insulations or other approved rigid roof insulations, which are not nailable and which offer a suitable surface to receive the roof. Specific written approval is required for any roof insulation not manufactured or supplied by JM. Insulation should be installed in accordance with the appropriate JM insulation specification detailed in the current JM Commercial/Industrial Roofing Systems Manual. This specification can also be used in certain re-roofing situations. Refer to the "Re-roofing" section of the JM Commercial/ Industrial Roofing Systems Manual. This specification is not to be used directly over poured or precast gypsum or lightweight, insulating concrete fills.

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

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 GlasBase Plus, PermaPly 28 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. Install each base sheet so that it is firmly and uniformly set, without voids, into the JM BUR Cold Application Adhesive applied before the felt at a nominal rate of 1½ to 2 gal/100 ft² (6-8 l/9.29 m²) over the entire surface.

Using GlasPly Premier or GlasPly IV, 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 24⅔" (627 mm) so that at least 3 plies of felt cover the base felt/ substrate at all locations. Install each felt so that it is firmly and uniformly set, without voids, into the JM BUR Cold Application Adhesive applied before the felt at a nominal rate of 1½ to 2 gal/100 ft² (6-8 l/9.29 m²) over the entire surface.

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.