

## BUR Cold Application Specifications Specification 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 foot (250 mm/m).**

**Materials per 100 sq ft (9.3 m<sup>2</sup>) of Roof Area**

<b>Asphalt Primer</b> (If required)	0.5 gal (0.2 l/m <sup>2</sup> )
<b>Felts:</b>	
GlasBase Plus or GlasTite Flexible	4 layers
<b>Interply:</b> JM BUR Adhesive or MBR Cold Application Adhesive	
Incline per foot Up to 3" (250 mm/m)	Adhesive Type Per 100 sq ft (9.3 m <sup>2</sup> ) l/m <sup>2</sup> JM BUR Adhesive 9-11 gal 3.7-4.5 or MBR Cold Application Adhesive
<b>Surfacing:</b>	
Gravel	Per 100 sq ft (9.3 m <sup>2</sup> ) 400 lb (19.5 kg/m <sup>2</sup> )
Slag	300 lb (14.6 kg/m <sup>2</sup> )
Granules	60-100 lb (2.9-4.9 kg/m <sup>2</sup> )
Adhesive Type	
JM BUR Adhesive or MBR Cold Application Adhesive*	3-4 gal (1.2 - 1.6 l/m <sup>2</sup> )

Aggregate density, size and coverage will determine actual weight.  
Approximate installed weight: 222-613 lb (101 - 278 kg).

### 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 pre-cast concrete decks require priming with JM Concrete 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 reroofing situations. Refer to the "Reroofing" section of the JM Commercial/Industrial Roofing Systems Manual. This specification is not to be used directly over poured or pre-cast 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 Roofing Systems Guarantee.**

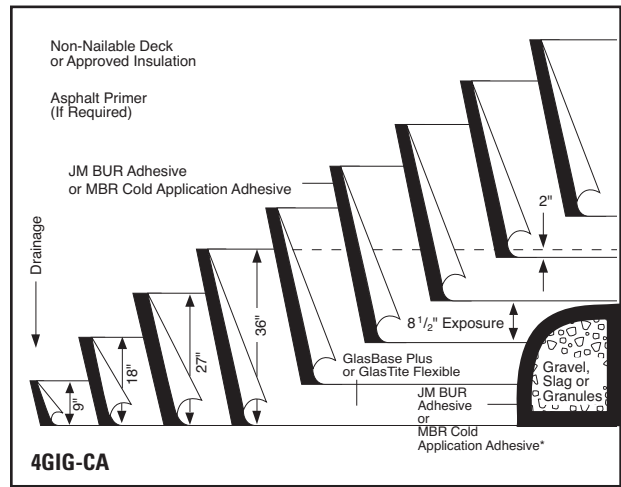
**Note:** All general instructions contained in the current JM Commercial/ Industrial Roofing Systems Manual should be considered part of this specification.

### Flashings

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

### Application

Base sheet shall be cut into 18 foot (5.5 m) lengths and be allowed to relax before being installed.



\*Must wait 30 days before applying a gravel surface.

**Note:** On roof decks with slopes up to 1" per foot (83.3 mm/m), the roofing felts may be installed either perpendicular or parallel to the roof incline. On slopes over 1" per foot (83.3 mm/m), refer to **Paragraph 6.11** of this section for special requirements.

Using GlasBase Plus or GlasTite Flexible, apply a piece 9" (229 mm) wide then over that, one 18" (457 mm) wide, then over that, one 27" (686 mm) wide. Over these 3 partial sheets, install a full width 36" (914 mm) piece. The following felts are to be applied full width, overlapping the preceding felt 27 1/2" (699 mm) so that at least 4 plies of felt cover the substrate 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 nominal rate of 1 1/2 to 2 gallons per square (0.6-0.8 l/m<sup>2</sup>) over the entire surface. Installation over porous substrates such as roof insulation may require up to 3 to 4 gallons per square (1.2-1.6 l/m<sup>2</sup>) of cold application cement. Roll installed felts with a weighted roller before the end of each work day.

### Surfacing

After the interply adhesive has cured, apply JM TopGard Type B at the rate of 6 gallons per square (2.4 l/m<sup>2</sup>). Into the emulsion, embed an acceptable gravel at a rate of 400 lb per square (19.5 kg/m<sup>2</sup>) or an acceptable slag at a rate of 300 lb (14.6 kg/m<sup>2</sup>). If applying a granule surface, apply JM BUR Adhesive or MBR Cold Application Adhesive\* at the rate of 3-4 gallons per square (1.2-1.6 l/m<sup>2</sup>) and embed therein 60 to 100 lb of No. 11 granules per square (2.9-4.9 kg/m<sup>2</sup>). 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 Service Specialist for special requirements.

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