

## BUR Cold Application Specifications Specification 3GNG-CA

**Three 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 foot (250 mm/m).**

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

<b>Sheathing Paper</b> (Wood board decks only)	1 layer
<b>Felts:</b>	
Ventsulation, PermaPly 28, GlasBase Plus or GlasTite Flexible	1 layer
GlasBase Plus, PermaPly 28 or GlasTite Flexible	2 layers
<b>Interply:</b> JM BUR Cold Application Adhesive	
Incline per foot	Adhesive Type Per 100 sq. ft. (9.3 m <sup>2</sup> )
Up to 3" (250 mm/m)	JM BUR Cold 3-4 gal. 1.2-1.6 Application Adhesive
<b>Surfacing:</b>	Per 100 sq. ft. (9.3 m <sup>2</sup> )
Gravel	400 lbs. (19.5 kgs./m <sup>2</sup> )
Slag	300 lbs. (14.6 kgs./m <sup>2</sup> )
Granules	60-100 lbs. (2.9-4.9 kgs./m <sup>2</sup> )
Adhesive Type	
JM BUR 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: 170-598 lbs. (77 - 271 kgs.).

### 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 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

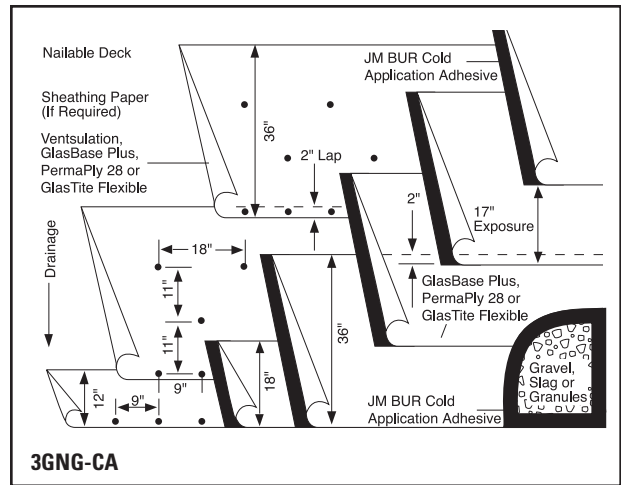
Flashing details can be found in the "Flashing" section of the JM Commercial/Industrial Roofing Systems Manual.

### Application

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 foot (5.5 m) lengths and be allowed to relax before being installed.

**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 JM Ventsulation, GlasBase Plus, PermaPly 28 or GlasTite Flexible, start with a 12" (305 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, overlapping 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 Fastener Data in the "Roof Deck" section of the current JM Commercial/Industrial Roofing Systems Manual.

Using GlasBase Plus, PermaPly 28 or GlasTite Flexible, apply a piece 18" (457 mm) wide, then over that, a full width piece. The following felts are to be applied full width, overlapping the preceding felts by 19" (483 mm) so that at least 2 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 Cold Application Adhesive, applied before the felt at a rate of 1½ to 2 gal. per square (0.6-0.8 l/m<sup>2</sup>) 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 JM TopGard Type B at the rate of 6 gal. per square (2.4 l/m<sup>2</sup>). Into the emulsion, embed an acceptable gravel at a rate of 400 lbs. per square (19.5 kg/m<sup>2</sup>) or an acceptable slag at a rate of 300 lbs. (14.6 kg/m<sup>2</sup>). If applying a granule surface, apply JM BUR Cold Application Adhesive at the rate of 3-4 gal. per square (1.2-1.6 l/m<sup>2</sup>) and embed therein 60 to 100 lbs. 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.