

BUR Cold Application Specifications Specification 4GIS-CA

Four Ply Fiber Glass Cold Application Built-Up Roof Smooth 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 m²) of Roof Area

Asphalt Primer (If required) 0.5 gal (0.2 l/m²)

Felts:

GlasBase Plus or GlasTite Flexible 4 layers

Interply: JM BUR Adhesive or MBR Cold Application Adhesive

Incline per foot	Adhesive Type	Per 100 sq ft (9.3 m ²)	l/m ²
Up to 3" (250 mm/m)	JM BUR Adhesive or MBR Cold Application Adhesive	9-11 gal	3.7-4.5

Surfacing:

JM TopGard Type B	5 gal	2.0
JM Aluminum Roof Coating	1½ gal	0.6
TopGard 4000	1 - 1½ gal (0.4 - 0.6 l/m ²) (over smooth sheets)	
TopGard 4000	1½ - 2 gal (0.6 - 0.8 l/m ²) (over mineral sheets)	
TopGard 5000	1 - 1½ gal (0.4 - 0.6 l/m ²) (over smooth sheets)	
TopGard 5000	1½ - 2 gal (0.6 - 0.8 l/m ²) (over mineral sheets)	
TopGard Base Coat	1 - 1½ gal (0.4 - 0.6 l/m ²) (over smooth sheets)	
TopGard Base Coat	1½ - 2 gal (0.6 - 0.8 l/m ²) (over mineral sheets)	

Approximate installed weight: 192-221 lb (87 - 100 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 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.

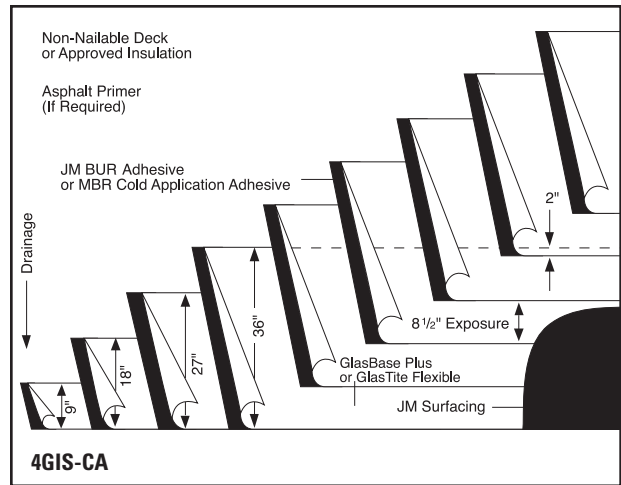
Note: All general instructions contained in the current JM Commercial/ Industrial Roofing Systems Manual should be considered part of this specification.

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.



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 ½" (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 1½ to 2 gallons per square (0.6-0.8 l/m²) 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/m²) 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 two coats of JM TopGard Type B at the rate of 3 gallons per square (1.2 l/m²) per coat. Base flashing, parapet walls, vents, and designated equipment shall also be sprayed with the surfacing.

As soon as the emulsion surfacing has been thoroughly cured (1-3 days), clean up debris, scrubbing out any pockets of residue. Over the clean surface, apply JM Aluminum Roof Coating at the rate 1½ gallons per square (0.6 l/m²) or apply TopGard Base Coat and TopGard 4000 or 5000 at a rate of 1 to 1½ gallons per square (0.4 - 0.6 l/m²). Follow all manufacturers' instructions.

Areas that peel shall be redone at the contractor's expense.

Adjacent walls not scheduled for emulsion and reflective coating shall be masked off with masking tape at upper edge of flashing system prior to any spray application.

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.