

## Assembly Identification

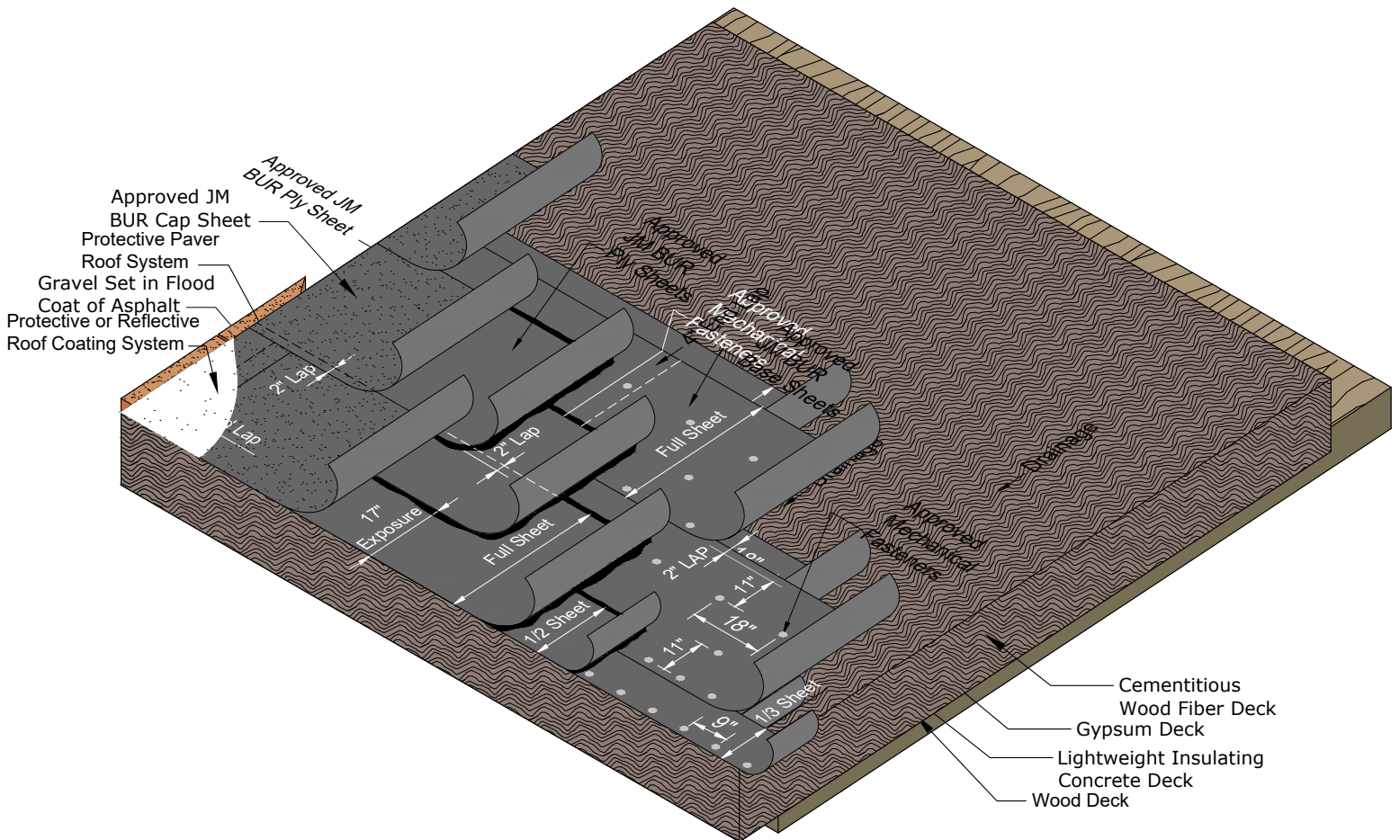
Substrate  
N = Nailable

Number of Plies → **4GNB-BA-CR**

Type of Ply  
G = Fiber glass

Application Method  
CA = Cold Adhesive  
HA = Hot Asphalt

Surfacing  
C = Cap Sheet (Granule Surface)  
G = Gravel  
P = Protected  
S = Smooth  
CR = Mineral Surfaced Cool Roof Sheet



For JM Guarantee Requirements Contact JM Technical Services at (800) 922-5922 Option 3 or Refer to the JM Peak Advantage Charges and Requirements-Multi Ply document

Cap Sheet - Cold Adhesive (Fiber Glass Reinforced):

- GlasKap®
- GlasKap Plus
- GlasPly®Premier
- GlasPly IV

Cap Sheet - Cold Adhesive (Fiber Glass Reinforced)

- Cool Roof):  
GlasKap®CR

Cap Sheet - Hot Asphalt (Fiber Glass Reinforced):

- GlasKap®
- GlasKap Plus
- GlasPly®Premier
- GlasPly IV

Cap Sheet - Hot Asphalt (Fiber Glass Reinforced)

- Cool Roof):  
GlasKap®CR

Roofing Felts (Ply) Cold Adhesive

- (Fiber Glass Reinforced):  
GlasBase®Plus  
GlasPly®Premier  
GlasPly IV  
GlasTite®Flexible  
PermaPly®28

Roofing Felts (Ply) Hot Asphalt

- (Fiber Glass Reinforced):  
GlasBase®Plus  
GlasPly®Premier  
GlasPly IV  
GlasTite®Flexible  
PermaPly®28

Base Sheet (Nailed):

- DynaFast®180 S
- DynaLastic®180 S
- PermaPly®28
- GlasBase®Plus
- Ventsulation®Felt
- GlasTite®Flexible

Deck Type:

- Nailable Decks include:  
Cementitious Wood Fiber  
Gypsum  
Lightweight Insulating Concrete  
Wood (Plywood, Plank, OSB)

**Note:**  
The nailing pattern shown is the minimum allowed pattern



# 4 PLY BUR INCLUDING NAILED BASE SHEET

## General

This specification is for use over any approved structural deck (without insulation) which can receive and adequately retain nails or other mechanical fasteners that may be recommended by the deck manufacturer and which provides a suitable surface to receive the roof. This specification can also be used in certain re-roofing applications.

### Note:

Consider all general instructions contained in the current JM BUR Application Guide as part of this specification.

## Design

Consider local conditions and characteristics when designing, specifying and installing any roofing system. Information from the Single Ply Roofing Industry (SPRI), FM Global® and local building codes can provide guidelines for the designer.

Design and installation of the deck and/or roof substrate must result in the roof draining freely to outlets numerous enough and so located as to remove water substantially within 48 hours of a rain event.

## Membrane Substrate

The surface on which the Built Up Roofing membrane is to be applied to should be an approved structural substrate. The surface must be clean, smooth, flat and dry. Built Up Roofing should not be applied directly to foam plastic insulations.

## Flashings and Components

Refer to the JM Bituminous Details in the BUR Systems Application Tools.

## Deck Preparation

Before roofing work is started, the deck should be carefully inspected by the roofing contractor, the deck contractor, and the owners representative to determine that it will be able to receive the roofing system by some method which will hold the system securely, either by adhesion, ballast, or mechanical fasteners. Refer to the JM Roof Decks document in System Considerations for further information.

## Base Sheet Application

Using one of the base sheets listed, start with a piece  $\frac{1}{2}$  sheet wide. The remaining sheets are to be applied full width with 2" (51 mm) side and 4" (102 mm) end laps over preceding sheets. Nail per specifications. Use nails or fasteners appropriate for the deck type, with 1" (25 mm) minimum diameter caps. Refer to the Built Up Roofing-Specifications document for additional information.

## Asphalt Application

Asphalt should meet the requirements of ASTM D 312. JM guarantees require the use of Trumbull® asphalt or another JM approved asphalt. JM recommends the use of only Type III and Type IV asphalt in BUR and SBS modified bitumen with thermoplastic fleece backed specifications. The slope of the roof as well as the climate governs the grade of asphalt to be used.

JM endorses the guidelines established by the NRCA and ARMA for heating asphalt for proper applications. Asphalt should be applied at the Equiviscous Temperature (EVT) +/- 25°F (+/- 4°C).

## Application - Hot Asphalt

On roof decks with slopes up to 1/2" per foot (41 mm/m), the roof felts may be installed either perpendicular or parallel to the roof incline. Install each felt so that it is firmly and uniformly set, without voids into the hot asphalt just before the felt at the proper nominal recommended rates. All sheet edges should be well sealed.

Roll a  $\frac{1}{2}$  width piece of one of the ply sheets listed over the nailed base sheet into a full mopping of hot asphalt. Followed by a full width sheet of one of the interply sheets listed into a full mopping of asphalt. The remaining sheets are to be applied in the same manner with 4" (102 mm) end laps and 17" (432 mm) exposure over the preceding sheets.

Apply a full width piece of one of the cap sheets listed into a full mopping of hot asphalt. The remaining sheets are to be applied in the same manner with 2" (51 mm) side laps and 4" (102 mm) end laps over preceding sheets. Apply all sheets so that they are firmly and uniformly set, without voids. Refer to the Built Up Roofing-Specifications document for further information.

### Note:

Sheets with polyester reinforcement must be allowed to relax in an unrolled position prior to installation.

## Application - Cold Adhesive

Roll a  $\frac{1}{2}$  width piece of one of the intermediate sheets listed over the nailed base sheet into a full coating of MBR Cold Application Adhesive or MBR Bonding Adhesive. The remaining sheets are to be applied full width, in the same manner, with 3" (76 mm) side and 4" (102 mm) end laps over the preceding sheets.

Apply a full width piece of one of the cap sheets listed into a full coating of MBR Cold Application Adhesive or MBR Bonding Adhesive. The remaining sheets are to be applied in the same manner with 2" (51 mm) side laps and 4" (102 mm) end laps over preceding sheets. Apply all sheets so that they are firmly and uniformly set, without voids. Refer to the Built Up Roofing-Specifications document for further information.

## Roof Coatings

TopGard 4000 and TopGard 5000 are one part acrylic elastomeric roof coatings. When used over a modified bitumen roof, TopGard Base Coat must be applied as a base coat prior to application of TopGard 4000 and TopGard 5000. Apply when temperature is 50°F (10°C) and rising using a brush, roller or spray equipment. TopGard 5000 is ideal for cold weather climates. Refer to the TopGard 4000 and TopGard 5000 data sheets for further information. TopGard Type A is a one part coating that is a combination of aluminum flakes and non-asbestos reinforcing fibers suspended in an emulsified asphalt. Apply when temperature is 40°F (4°C) and rising using a brush, roller or spray equipment. Refer to the TopGard Type A data sheet for further information.

## Steep Slope Requirements

Special procedures are required on inclines over 1/2" per foot (41 mm/m). Refer to Section Two, paragraph 21 of the JM Hot Asphalt and Cold Adhesive Applied Roofing Systems Application Guide for further information.

## Re-Roofing

A large percentage of all commercial and industrial roofing pertains to re-roofing of existing buildings. Refer to the JM Re-Roofing document for inspection, testing, components and other valuable information pertaining to re-roofing projects.

## JM Guarantee Requirements

JM Peak Advantage® Guarantees are available up to a 30 year term with approved components and assembly make-up. Refer to the JM Peak Advantage Charges and Requirements-Bituminous Systems document for additional guarantee information.

Refer to the JM Peak Advantage Guarantee Information document for additional guarantee information and guidelines.

Refer to the JM Peak Advantage Guarantee Specimen document to see a JM Peak Advantage Guarantee sample.

All guaranteed installations must follow the guidelines for the requested guarantee as outlined in the Built Up Roofing Specifications General Information document. Not all JM specifications are eligible for all JM Peak Advantage Guarantee terms or enhanced coverage. Please contact JM Guarantee Services at (800) 922-5922 Option 3 for specific requirements.

All projects requiring a guarantee from JM must be applied for a minimum 14 days in advance of job start.

Refer to the Preventative Maintenance Brochure for roof and building maintenance guidelines.