**Lightweight Insulating Concrete Deck**

**Cementitious Wood Fiber Deck**

**Gypsum Deck**

**Wood Deck**

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**Assembly Identification**

- **Substrate**: N = Nailable

- **Number of Plies**: $5GNB$-HA-CR

- **Application Method**: HA = Hot Asphalt

- **Type of Ply**: G = Fiber glass

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

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**Roof Coating System**
- Gravel Set in Flood Coat of Asphalt

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

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**Approved JM BUR Cap Sheet**
- GlasKap
- GlasKap Plus
- GlasPly "Premier"
- GlasPly IV

**Approved JM BUR Roof Felts**
- GlasBase "Plus"
- GlasPly "Premier"
- GlasPly IV
- GlasTile "Flexible"
- PermaPly "28"

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**Project Name:**

**Project Location:**

**Project Number:**

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**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**

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**Cap Sheet - Hot Asphalt**
- (Fiber Glass Reinforced)
  - GlasKap
  - GlasKap Plus
  - GlasPly "Premier"
  - GlasPly IV

**Roofing Felts (Ply)**
- Hot Asphalt (Fiber Glass Reinforced)
  - GlasBase "Plus"
  - GlasPly "Premier"
  - GlasPly IV
  - GlasTile "Flexible"
  - PermaPly "28"

**Base Sheet (Nailed):**
- PermaPly "28"
- GlasBase "Plus"
- DynaBase

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

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**Cap Sheet - Hot Asphalt**
- (Fiber Glass Reinforced - Cool Roof)
  - GlasKap "CR"
5 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), Asphalt Roofing Manufacturers Association (ARMA), 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 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 insulations.

Flashings and Components
Refer to the JM Built Up Roofing 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.

Nailed Base Sheet Application
Using one of the base sheets listed, start with a piece \( \frac{3}{4} \) sheet wide. The remaining sheets are to be applied full width with 2" (51 mm) side laps 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 Application Guide 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).

BUR Sheet 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.

Ply Sheet Application
When installing a roof system with applied surfacing (coatings, gravel) start by rolling one of the ply sheets listed. \( \frac{3}{4} \) sheet wide into a full mopping of hot asphalt. The remaining sheets are to be applied full width with 17" exposure and 4" (102 mm) end laps into a full mopping of hot asphalt over preceding sheets. When installing a system with a granulated cap sheet start by rolling one of the ply sheets listed \( \frac{3}{4} \) sheet wide into a full mopping of hot asphalt, then full width sheets with 2" side laps and 4" (102 mm) end laps into a full mopping of hot asphalt over preceding sheets. Refer to the Built Up Roofing Application Guide for additional information.

Cap Sheet Application
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 Application Guide for further information.

Note: Sheets with polyester reinforcement must be allowed to relax in an unrolled position prior to installation. Allow the membrane to relax for at least 15 minutes when the temperature is above 60°F (16°C), or 30 minutes when the temperature is below 60°F (16°C) prior to installation.

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. It is recommended that TopGard Base Coat be used on all installations of TopGard 4000 and TopGard 5000. Drying times between coats is normally between 4 to 12 hours depending on weather conditions. 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.

Steep Slope Requirements
Special procedures are required on inclines over 1/2" per foot (41 mm/m). Refer to the Built Up Roofing 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 Multi-Ply document for additional guarantee information.

Re-Roofing document for inspection, testing, components and other valuable information pertaining to re-roofing projects.

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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) 922-6922 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.