BUR Asphalt-Applied Specifications
5GLC

Five-Ply Mineral-Surfaced Fiber Glass Built-Up Roof. For use over approved, lightweight, insulating fill decks on inclines of up to 3" per ft (250 mm/m).

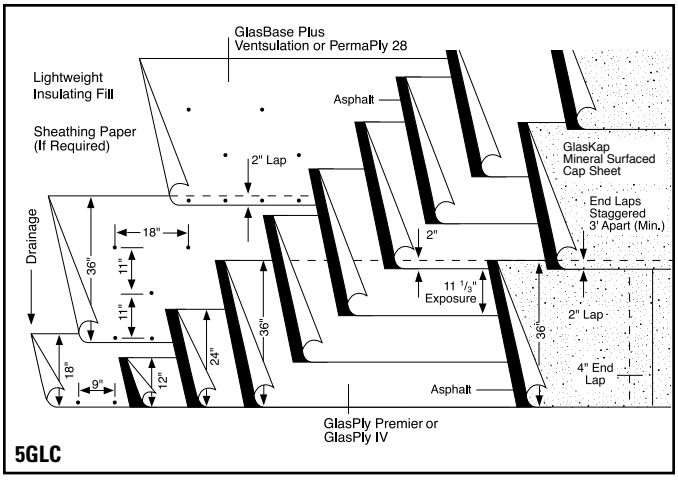
Materials per 100 ft² (9.29 m²) of roof area

Felts:	
GlasBase Plus, PermaPly 28 or Ventsulation Felt	1 ply
GlasPly Premier or GlasPly IV	3 plies
GlasKap	1 ply

Asphalt (Interply): Trumbull®* or other JM-approved asphalt

Incline per foot	**Asphalt**	**Total Weight**
Up to 1" (83 mm/m)	170°F (77°C), Type II, Flat	92 lb (42 kg)
1" to 3" (83 to 250 mm/m)	190°F (88°C), Type III, Steep	92 lb (42 kg)
Up to 3" (250 mm/m)	PermaMop	92 lb (42 kg)

Approximate installed weight: 200 - 296 lb (90.7 - 134.3 kg).



5GLC

General

This specification is for use over any type of approved lightweight, insulating concrete fill 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 Zonolite, Celcore® and Elastizell. JM Ventsulation Felt is recommended over any wet fill deck and may be required as a condition of guarantee.

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 JM Peak Advantage 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 Section 3 of the JM Commercial/Industrial Roofing Systems Manual.

Application

Note: On roof decks with slopes up to 1" per ft (83 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 11.0 of ths section for special requirements.

Using GlasBase Plus, Ventsulation Felt or PermaPly 28 start with an 18" (457 mm) width sheet (a specific base sheet may be a condition of guarantee). The following base sheet courses are to be applied full width, lapping 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 "Roof Deck" section of the current JM Commercial/Industrial Roofing Systems Manual.

Using GlasPly Premier or GlasPly IV, apply a piece 12" (305 mm) wide, then over that, one 24" (610 mm) wide, then over both, a full width piece. The following felts are to be applied full width overlapping the preceding felts by 24$^{2}/_{3}$" (627 mm) so that at least 3 plies of felt cover the base felt/substrate at all locations. Install each felt so that it is firmly and uniformly set, without voids, into the hot bitumen (within ±25°F [±14°C] of the EVT) applied just before the felt at a nominal rate of 23 lb/100 ft² (11 kg/ 9.29 m²) over the entire surface. Installation over porous substrates such as roof insulation may require up to 33 lb/100 ft² (16 kg/9.29 m²) of hot bitumen.

Surfacing

Prior to application of GlasKap, cut the cap sheet into handleable lengths (12' - 18' [3.66 m - 5.50 m]). Lay the material out on the roof and allow it to relax and flatten. To accommodate a full width sheet, apply a mopping of hot asphalt, approximately 20°F (11°C) above the EVT, at a nominal rate of 23 lb/100 ft² (11 kg/ 9.29 m²). (The higher temperature of asphalt maximizes the bonding of the cap sheet to the ply felts.) Then flop the cap sheet into the hot asphalt. On subsequent courses, the cap sheet is positioned upside down, directly over the sheet in the preceding course such that the side lap area of the preceding sheet is exposed. Care should be taken to maintain 2" (51 mm) side laps and 4" (102 mm) end laps. Asphalt is applied in the same manner as before, making sure to also cover the 2" (51 mm) exposed side lap. Asphalt may also be applied to the exposed "upside down" cap sheet, prior to "flopping" it into the hot asphalt. The cap sheet must be firmly and uniformly set, without voids, into the hot asphalt with all edges and laps well sealed.

Asphalt

Asphalt should meet the requirements of ASTM D 312.

JM Peak Advantage Guarantees require the use of Trumbull®* asphalt or another JM-approved asphalt.

Check with a JM Technical Services Specialist for special asphalt requirements in hot climates.

Note: For the most current information on general guidelines, please refer to the System Considerations tab under Systems Introduction & Selection on the JM Roofing Web site. For specifications, flashing details and general installation information please refer to the System Application tab.

* Trumbull is a registered trademark of Owens Corning.

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