

Four-Ply Gravel-Surfaced Fiber Glass Built-Up Roof. 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 ft² (9.29 m²) of roof area

Asphalt Primer (If required) ½ to 1 gal (2 to 4 l)

Felts:

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

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

Incline per foot	Asphalt	Total Weight
Up to ½" (41 mm/m)	170°F (77°C), Type II, Flat	92 lb (42 kg)
½" to 3" (41 to 250 mm/m)	190°F (88°C), Type III, Steep 220°F (104°C), Type IV, Special Steep	92 lb (42 kg)
Up to 3" (250 mm/m)	PermaMop	92 lb (42 kg)

Surfacing:

Flood coat of asphalt	60 lb (29 kg)
Gravel or Slag	400 lb (195 kg) 300 lb (146 kg)

Aggregate density, size and coverage will determine actual weight.
Approximate installed weight: 452 - 615 lb (205 - 279 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 precast concrete decks require priming with Asphalt Primer prior to application of hot asphalt.

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 install 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 re-roofing situations. Refer to the "Re-roofing" section of the JM Commercial/Industrial Roofing Systems Manual. This specification is not to be used directly over poured or precast 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 JM Peak Advantage Guarantee.

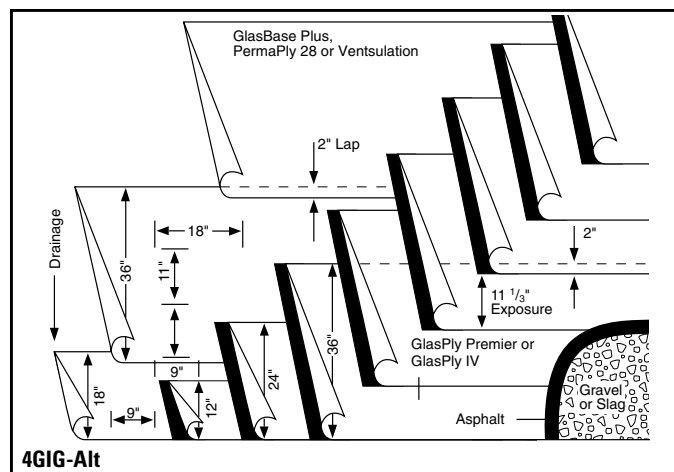
Note: All general instructions contained in the current JM Commercial/Industrial Roofing Systems Manual should be considered part of this specification.

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 ft (83 mm/m), refer to Paragraph 11.0 of Section 3b for special requirements.



Using GlasBase Plus, PermaPly 28 or Ventsulation Felt, start with an 18" (457 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, lapping the preceding felt 2" (51 mm) on the side laps and 4" (102 mm) on the end laps. Install each base sheet so that it is firmly and uniformly set, without voids, into the hot asphalt (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.

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 ½" (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 asphalt (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.

Surfacing

Flood the surface with the appropriate asphalt at an approximate rate of 60 lb/100 ft² (29 kg/9.29 m²). Into the hot asphalt, embed an acceptable gravel at a rate of 400 lb/100 ft² (195 kg/9.29 m²) or an acceptable slag at a rate of 300 lb/100 ft² (146 kg/9.29 m²). Aggregate must be installed so that there is complete coverage across the entire surface and at least 50 percent of the aggregate is solidly adhered in the hot asphalt. Aggregate should meet the requirements of ASTM D 1863.

Asphalt

Asphalt should meet the requirements of ASTM D 312.

JM 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.