



January 8, 2015

## **Manual Update** **Laminated Base Sheets**

The following application standards changes and additions are made to the manual.  
**Laminated Primary Membrane Base Sheet (formerly Cover Boards) moved to MB Section 6 Primary Membrane**

### **Delete MB 5.5 COVER BOARDS and Content**

#### **Added MB-6.3.2.2 LAMINATED PRIMARY MEMBRANE BASE SHEETS**

- 1 Laminated primary membrane base sheets are roofing panels comprised of supporting accepted mineral wool insulation, fire resistance fiberboard or asphalt core board substrate with an attached factory laminated modified bitumen base sheet. Composite modified bitumen membrane panels may be accepted as an alternate to the secondary insulation layer required over primary insulation.

#### **MB-6.4.2 LAMINATED BASE SHEETS**

- .1 The primary membrane base sheet and secondary insulation layer may be substituted with an accepted composite panel consisting of fire resistant (FR) fiberboard, asphalt core board or mineral wool insulation panel factory laminated to an accepted S.B.S. modified bitumen base sheet membrane. Laminated modified bitumen base sheets comprise both the primary membrane base sheet and the secondary insulation for a two-ply S.B.S. membrane system.
- .2 When the primary membrane base sheet is laminated to either fire resistant fiberboard (FR) or asphalt core board, the composite panels may be adhered with hot bitumen, an approved adhesive or mechanically fastened to the structural decking when applied in accordance with the membrane manufacturer's application requirements.
- .3 Laminated mineral wool insulation composite panels may only be mechanically fastened to the roof decking with fasteners and plates approved by the membrane manufacturer.

- .4 Laminated primary membrane base sheet panels shall have their end lap joints aligned over all substrates.
- .5 When the end lap is to be torch sealed, a minimum 150 mm (6") wide continuous fire prevent tape backing strip, centered and placed under the end lap joint is required to protect the primary insulation from the torch flame.
- .6 When the laminated primary membrane base sheet panel incorporate a 25 to 50 mm (1 to 2") factory installed end lap, the end laps shall be covered with a minimum 300 mm (12") wide continuous strip of a compatible modified bitumen base sheet centered over the joint and thermally fused to completely cover and waterproof the panel membrane end lap junction.
- .7 Laminated primary membrane base sheet panels shall have their side and end laps offset a minimum distance of 150 mm (6") from the underlying joints of the primary insulation.
- .8 When adhering laminated primary membrane base sheet panels with hot bitumen, polystyrene insulation shall be first covered with minimum layer of 12.7 mm (1/2") thick wood fiber board using the "MOP AND FLOP" back coating application method with board joints offset a minimum distance of 150 mm (6").
- .9 When mechanically fastening laminated base sheet panels and the application of the primary membrane cap sheet does not follow within the same work day, each fastener/plate location shall be waterproofed with a compatible S.B.S. base sheet patch sized to adequately cover the plate, sealed to the surface of the exposed base sheet membrane.