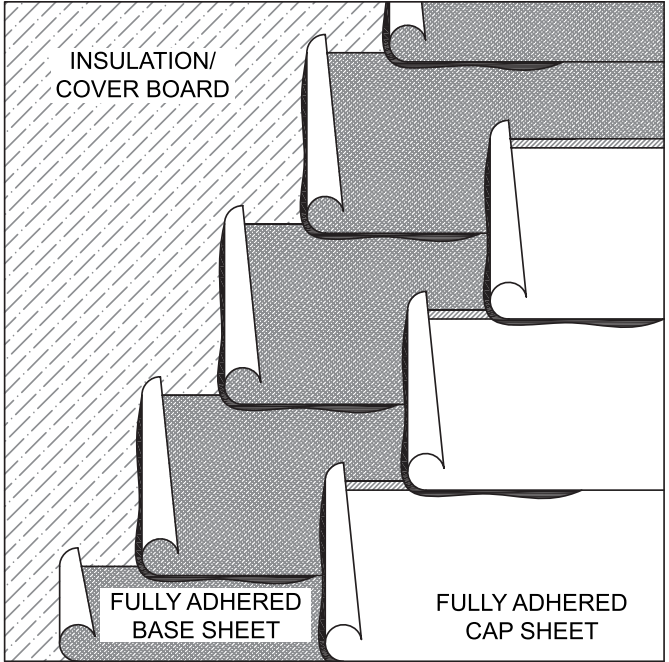


<b>System Configuration</b>	
<b>M2-BXB</b> (501, 601 cap)	
<b>M2-CXB</b> (602, 601 cap)	
<b>M2-DXB</b> (603, 601 cap)	
<b>M2-EXB</b> (605, 601 cap)	
<b>Materials per 100 sq/ft of roof area:</b>	
<i>Base Sheet Options (choose one of the following):</i>	
One (1) ply of <b>501</b>	30.7 lbs.
One (1) ply of <b>602</b>	60.0 lbs.
One (1) ply of <b>603</b>	75.0 lbs.
One (1) ply of <b>605</b> (cold adhesive only)	50.0 lbs.
<i>Cap Sheet:</i>	
One (1) ply of <b>601</b>	100.0 lbs.
<i>Adhesive for roofing plies:</i>	ASTM D312 Type III, or IV 25.0 lbs. per ply/per sq.
<i>*Adhesive for roofing plies and surfacing:</i>	
<b>727</b> Modified Membrane Adhesive	1.5-2.0 gals. per ply/per sq.
<i>Insulation:</i>	Specified
<i>Weight per square (-insulation):</i>	<b>180.6 lbs. to 225 lbs.</b>



Two-ply (2), hot mopped\* roofing system with modified SBS fiberglass base sheet and cap sheet installed over an approved roof deck.

**Roof deck and general information:** Roof deck must be clean, dry, smooth, and structurally sound to receive the new roofing system. Drainage must be incorporated in the design to prevent ponding water. For more information, please refer to the current Malarkey Specification Manual: General Requirements and Commercial Installation Instructions.

**Special requirements:** This roofing system can be installed as illustrated on slopes up to 1" in 12". Slopes that are greater than 1" in 12" are to be installed in a strapped fashion using ASTM D312 Type IV asphalt, and wood nailers/insulation stops to facilitate back-nailing of the roofing system. For more information, please refer to the current Malarkey Specification Manual: General Requirements/Strapped Installations.

**Application:** *Hot Mopped* – Install base sheet according to instructions in Section 3.7 of this manual. Side laps are to be 4" with end laps of 6". Broom base sheet to ensure contact between the asphalt and the bottom surface of the roofing felts. Cap sheet will be installed so that the water is over (shingle fashion) or parallel to (strapped), but never against the laps. Side laps are to be 4" with end laps of 6". Cut cap to 1/3 of the total length (11.3') and allow to relax prior to installation. Position cap membrane for installation and embed into a uniform mopping of asphalt applied at the rate of 25 lbs. per square. Ensure contact between the asphalt and the bottom of the sheet. Stagger all end laps a minimum of 12".

*\*Cold Process – Refer to Low Slope Installation Instructions located in Sections 3.7.4, 3.7.6 and 3.7.9 of this manual.*

**Valleys and Waterways:** Prior to the application of interply sheets, all valleys and waterways shall receive an extra layer of Malarkey ply sheet (or comparable product) which shall be at least a full-width sheet and shall extend at least 12 inches (30 cm) up to the inclines out of the valleys.

**Flashings:** Install all primed flashings (lead, metal, scuppers, etc) in a layer of plastic cement on top of the interply and stripped off with two plies of reinforcement, feathering each ply 3" from the edge of the flange and corresponding ply. Install surfacing after all flashings have been stripped in.

**Base flashings:** Base flashing stripping ply(s) are to be installed over the interply before the installation of the field surfacing. Stripping ply(s) are to extend 3" beyond the toe of the cant and up the vertical surface of all flat to vertical transitions (curb, walls, roof top equipment, etc). After the installation of the field surfacing, install the specified SBS cap sheet base flashing extending 6" beyond the toe of the cant and up the vertical surface. Terminate the base flashing as shown in the commercial roofing details of the current Malarkey Specification Manual.

**Fire Ratings:** The specifications carries a **Class 'A'** rating up to **1" in 12"** using hot asphalt over the following decks: Wood, Metal, Concrete, Lightweight Concrete, Structural Wood Fiber, and Gypsum. *The exact listing for this roofing system can be found in the current edition of the Intertek/Warnock Hersey Directory of Listed Products. For other fire ratings using attachments other than hot asphalt, contact the Malarkey Technical Services Department.*