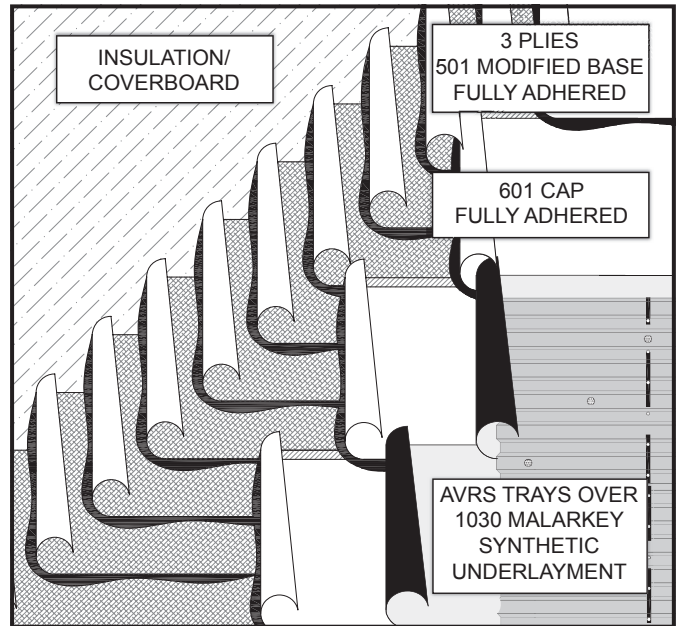


System Configuration	M4-XBB-S (3-501, 601)	
Materials per square of roof area:		
<i>Ply Sheets:</i>		
501 Modified Base , three (3) ply		92.0 lbs.
<i>Cap Sheet:</i>		
601 Cap , one (1) ply		100.0 lbs.
<i>Adhesive for roofing plies:</i>		
950 SEBS Mopping Asphalt	25.0 - 30.0 lbs.	(nominal) per ply
<i>Liner:</i>		
1030 Malarkey Synthetic Underlayment		2.75 lbs
<i>Vegetative Roof System:</i>		
AVRS® Eco-Roof		As specified
<i>Insulation:</i>		
		As specified
Weight per square (minus AVRS and Insulation)	294.75 - 314.75 lbs. (nominal)	



Four-ply built-up roofing system (SEBS hot mopped SBS-modified ply and cap sheets) with a synthetic underlayment liner and vegetative roof system installed over an approved roof deck with insulation and coverboard .

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 Roofing Products 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 950 SEBS Mopping 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: Install insulation and cover board per specifications. *Hot Mopped* - Install all interplies so that the water runs over (shingle fashion) or parallel to (strapped), but never against the laps in a uniform mopping of 950 SEBS Mopping Asphalt at the nominal rate of 25.0 - 30.0 lbs. per ply, per square. Broom all plies to ensure contact between the asphalt and the bottom surface of the interplies.

Cap sheet will be installed so that the water runs over (shingle fashion) or parallel to (strapped), but never against the laps. Cut cap to 1/3 of the total length and allow to relax prior to installation. Position cap membrane for installation and embed into a uniform mopping of 950 SEBS Mopping Asphalt applied at the nominal rate of 25.0 - 30.0 lbs. per square. Ensure contact between the asphalt and the bottom of the sheet. Stagger all end laps a minimum of 3'.

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

Flashings: Install all primed flashings (lead, metal, scuppers, etc.) in a layer of 709 SBS Trowel Grade mastic on top of the inter-ply and stripped off with two (2) plies of reinforcement, feathering each ply 3" from the edge of the flange and corresponding ply. Install cap sheet after all flashings have been stripped in.

Base flashings: Where not in contact with AVRS trays base flashing stripping ply (603 Superbase) is to be installed in 709 SBS Trowel Grade mastic over the interplies before the installation of the cap sheet. 603 Superbase is to extend 3" beyond the toe of the cant and up the vertical surface of all flat to vertical transitions (curbs, walls, roof top equipment, etc). After the installation of the field cap sheet, install the specified SBS cap sheet base flashing (625 Paragon Cap) 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.

Anywhere AVRS trays come in contact with flashings use Malarkey EZ Seal for base flashings (see "Guide to Applying Malarkey EZ Seal" for details).

Flashing Configuration: 603 Superbase / 625 Paragon Cap.

"Green" Roof: Prior to installation of Advanced Vegetative Roofing System (AVRS) built-up roofing system shall be lined with a slipsheet of 1030 Malarkey Synthetic Underlayment. Install AVRS as specified including trays, interlocking pins, irrigation locks, and tray hooks.

Fire Ratings: The specification carries a **Class 'A'** rating up to **1/2" in 12"**.