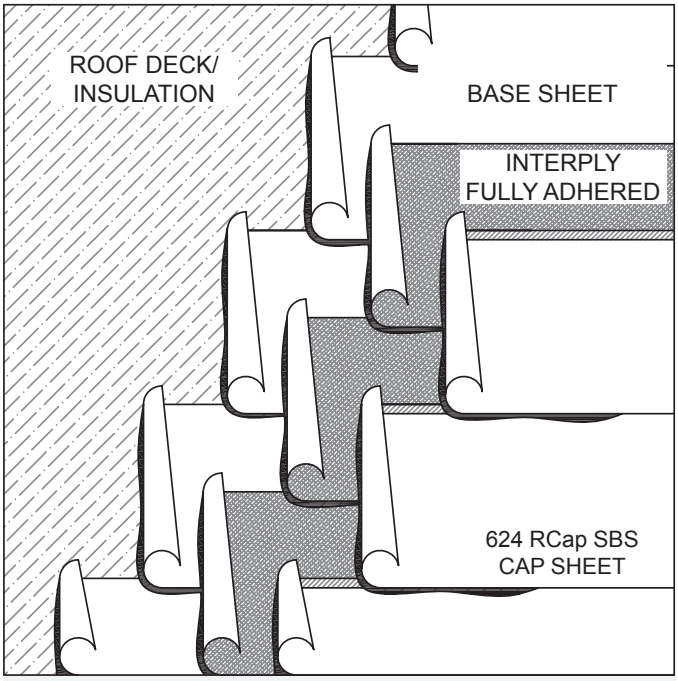
LOW SLOPE ROOFING SYSTEM SPECIFICATION

THREE-PLY MODIFIED 624 RCap™ SBS (Base, Ply & Cap)

System Configuration	
R3-BBN (2-501, 624 RCap SBS) **R3-BDN** (501, 603, 624 RCap SBS) **R3-DDN** (2-603, 624 RCap SBS) **R3-DHN** (603, 500, 624 RCap SBS)	
Materials per 100 sq./ft. of Roof Area:	
Base Sheet: Two (2) plies of **501**	30.6 lbs. per ply/61.2 lbs.
-OR-	
One (1) ply of **501** and One (1) ply of **603**	30.6 lbs. 75.0 lbs.
-OR-	
Two (2) plies of **603**	75.0 lbs. per ply; 150 lbs.
-OR-	
One (1) ply of **603** and One (1) ply of **500**	75.0 lbs. 7.2 lbs.
Cap Sheet: One (1) ply of **624 RCap SBS**	100 lbs.
Adhesive for Roofing Plies:	ASTM D 312 Type III, or IV 25.0 lbs. per ply/per sq.
Insulation:	*Specified*
Weight per Square: *(-*insulation)	**236.2 lbs. to 325.0 lbs.**



Three-ply, hot mopped*, built-up roofing system with SBS fiberglass base, ply, and a highly-reflective, factory coated SBS 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 Roofing Products (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 D 312 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 all inter-plies so that the water runs over (shingle fashion) or parallel to (strapped), but never against the laps in a uniform mopping of hot asphalt at the nominal rate of 25 lbs. per ply, per square. Broom all plies to ensure contact between the asphalt and the bottom surface of the roofing felts. 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 (11') 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".

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 inter-ply and stripped off with Two (2) 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: Base flashing stripping ply(s) are to be installed over the inter-ply 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 (curbs, 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 specification carries a **Class 'A' rating** up to **1/4" in 12"** over the following decks: Wood, Metal, Concrete, Lightweight Concrete, Structural Wood Fiber, and Gypsum. *For other ratings, contact the Malarkey Technical Services Department.*

Touch Up: Install 824 RCap Touch Up to dress out roof for a more pleasing appearance. Standing water locations must receive additional coatings of 824 RCap Touch Up.