System Configuration

R3-BBO (2-501, 524 RCap Plus)
R3-BDO (501, 603, 524 RCap Plus)
R3-DDO (2-603, 524 RCap Plus)
R3-DHO (603, 500, 524 RCap Plus)

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   30.6 lbs.
One (1) ply of **603**   75.0 lbs.

-OR-

Two (2) plies of **603**   75.0 lbs. per ply; 150 lbs.

-OR-

One (1) ply of **603** and   75.0 lbs.
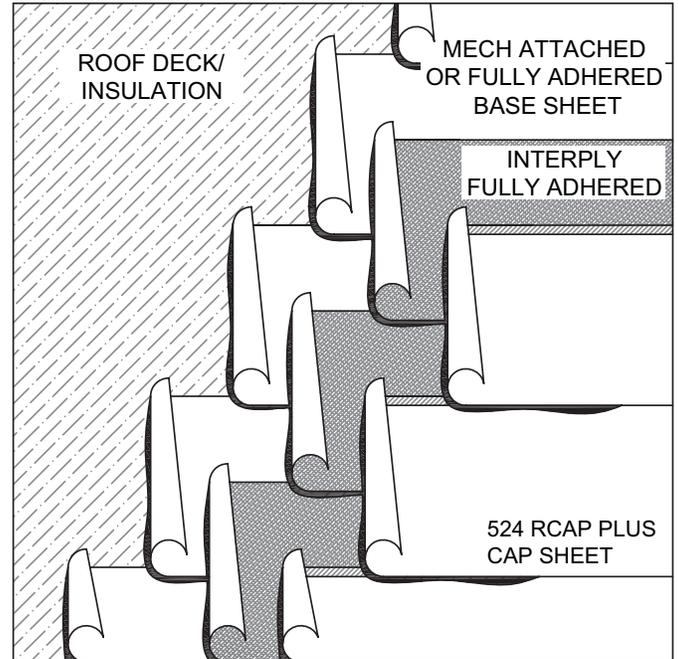One (1) ply of **500**   7.2 lbs.

Cap Sheet:
One (1) ply of **524 RCap Plus**   77 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)   **213.2 lbs. to 302.0 lbs.**

ROOF DECK/ INSULATION

MECH ATTACHED OR FULLY ADHERED BASE SHEET

INTERPLY FULLY ADHERED

524 RCAP PLUS CAP SHEET

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 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 all interplies 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 ⅓ 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".

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 strip off with two (2) plies of reinforcement, feathering each ply 3" from the edge of the flange and corresponding ply. Install cap sheet after 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, wall, 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 **½" in 12"** over the following decks: Wood, Metal, Concrete, Lightweight Concrete, Structural Wood Fiber, and Gypsum. *For other fire rating using attachments other than hot asphalt contact the Malarkey Technical Services Department.*

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