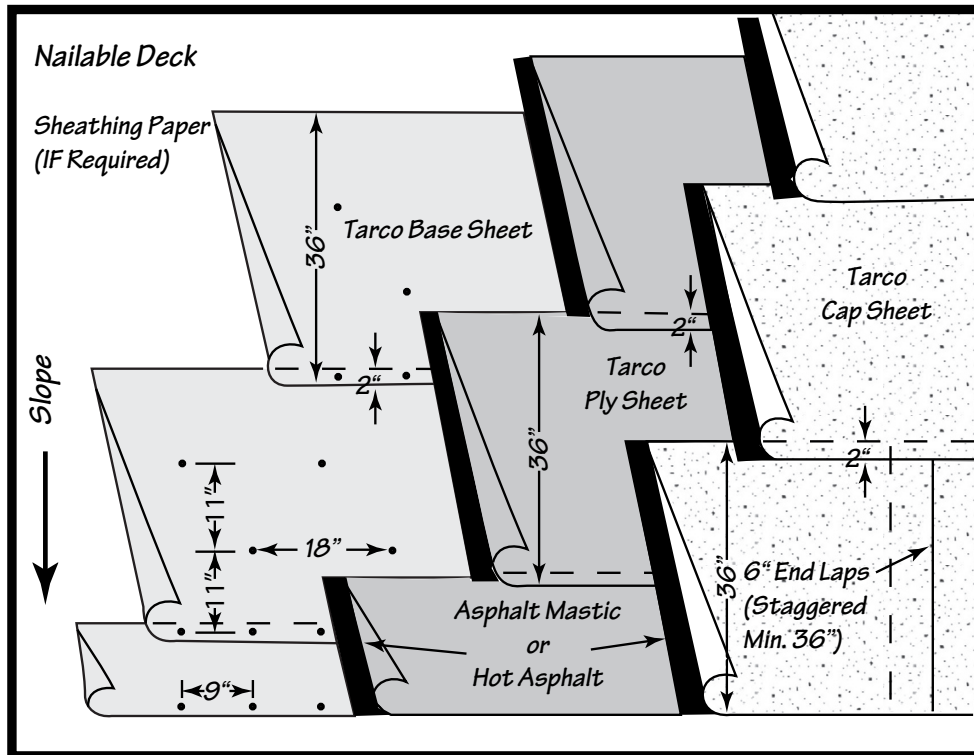


3 ply Cap Sheet Nailable Specification



General:

Approximate installed weight: 141 lbs. (64 kg) per square (100 sq. ft).

This Specification should not be used when the temperature is below 50° F (10° C) or on slopes greater than 3 inches in 12 inches (14°).

This specification is for use over any type of approved structural deck (without insulation), which can receive and adequately retain nails or other mechanical fasteners that may be recommended by the deck manufacturer. Examples of these decks are wood, plywood, oriented strand board (OSB) and Cementitious wood fiber decks.

All cracks, splits, voids and opening greater than 1/4" in the deck need a piece of 32-gauge sheet nailed over it. Any protruding nail heads need to be re-seated.

Design and installation of the deck must result in the roof draining freely, to remove water promptly and completely. Areas where water ponds for more than 48 hours are not recommended for the application of cap sheet products.

A compatible asphalt mastic or hot asphalt can be used to install this specification. If hot asphalt is

used it should be a minimum of ASTM D312 Type III, applied within $\pm 25^{\circ}\text{F}$ [$\pm 14^{\circ}\text{C}$] of the EVT and just before the felt at a nominal rate of 25 lbs. per square (1.1 kg/m²) to install the Tarco ply sheets. To install the Tarco Cap Sheets, it is recommended that the asphalt be approximately 20°F (11°C) above the EVT to maximize the bonding of the cap sheet to the ply felts. If compatible asphalt mastic is used, follow the manufacturer's instructions on methods of application and application rate.

Flashings:

Use Tarco's flashing details found at www.tarcoroofing.com.

Application:

Over wood board decks, one ply of red rosin or other sheathing paper should be used under the base felt and on top of the wood board deck. On roof decks with slopes up to 1" per foot (4.75°), the roofing felts may be installed either perpendicular or parallel to the roof incline. On slopes greater than 1" in 12" (4.75°) the felts should be installed parallel to the slope and back nailed ¾" (19 mm) from the leading edge on approximate 4' centers to prevent slippage.

Starting at the low edge of the roof, install a 12" (305 mm) wide Tarco Organic Base Sheet (#43) or Tarco Fiberglass Base Sheet. The following base sheet courses are to be applied full width, lapping the preceding felt 2" (51 mm) on the side laps and 4' (102 mm) on the end laps. Nail the side laps 9" (229 mm) o.c. down the longitudinal center of each felt, place two rows of nails spaced approximately 11" (279 mm) apart, with the nails staggered on approximately 18" (457 mm) centers. Use nails or fasteners appropriate to the type of deck with 1" (25 mm) minimum diameter caps.

Starting at the low edge of the roof, install an 18" (457mm) wide roll of Tarco 15# ASTM Specification Organic Felt or Tarco Fiberglass Ply IV Felt or Tarco Asphalt Coated Fiberglass Ply VI Felt in a compatible asphalt mastic or hot asphalt over the entire surface. The following felts are to be applied full width, overlapping the preceding felts by 2" (51 mm). Install each felt so that it is firmly and uniformly set without voids, into the compatible asphalt mastic or hot asphalt over the entire surface.

Prior to application of Tarco Fiberglass Mineral Surfaced Roll roofing or Tarco Organic Mineral Surfaced Roll roofing, cut the cap sheet into handle able lengths (12' – 18" [3.66 m -5.50 m]). Lay the material out on the roof and allow it to relax and flatten. At the low edge of the roof, apply a layer of the compatible asphalt mastic or a mopping of hot asphalt to accommodate a full width sheet. Then flop the cap sheet into the hot asphalt. On subsequent courses, the cap sheet is positioned upside down, directly over the sheet in the preceding course such that the side lap area of the preceding sheet is exposed. Care should be taken to maintain 2" (51 mm) side laps and 6" (152 mm) end laps. Asphalt mastic or hot asphalt is applied in the same manner as before, making sure to also cover the 2" (51 mm) exposed side lap. Asphalt mastic or hot asphalt may also be applied to the exposed "upside down" cap sheet prior to "flopping" it into the asphalt adhesive on the ply sheets. The cap sheet must be firmly and uniformly set without voids, into the hot asphalt with all edges and laps well sealed.

End laps between adjacent courses should be a minimum of 36" apart.