



## CHAPTER 15

# APPLICATION OF NON-SELF-ADHERED SINGLE AND DOUBLE COVERAGE ROLL ROOFING

### SINGLE COVERAGE:

Asphalt roll roofing is typically manufactured in 36" wide sheets and comes in a variety of weights, surface materials and colors. It is used both as a primary roof covering and as a flashing material.

When maximum service life is an important consideration, use the concealed nail method of application. The type of nail shall fit the application and have a length sufficient to penetrate  $\frac{3}{4}$ " into the deck or through the deck panel. As a primary roof covering, roll roofing is used on slopes down to 1" per foot. The roofing is applied either parallel to the eaves or parallel to the rakes.

Store the material in a warm place on its end until ready for use, especially during the colder seasons of the year. It is not good practice to apply roll roofing when the temperature is below 45°F. If rolls are handled below this temperature and have not been stored as suggested, warm them before unrolling to avoid cracking the coating. Cut the rolls into manageable 12' to 18' lengths and spread them in a pile on a smooth surface until they flatten out.

Before applying roll roofing, prepare the deck and install the necessary flashing in the same manner as described in Chapter 7 for strip shingles. Valleys will be the open type, so follow the appropriate valley flashing procedures.

#### **[Warning]**

***Excessive amounts of cement may cause blistering of roll roofing. Allow sufficient time for volatiles to flash off.***

Because all roll roofing is applied with a certain amount of top and side lapping, proper sealing of the laps is critical. Use only the lap cement recommended by the roofing manufacturer. Store the cement in a warm place until ready to use. The lap cement is asphalt based and contains solvents, therefore, always take proper safety precautions. Lap cement should never be heated directly over an open flame. Do not attempt to thin the cement by diluting it with solvent.

When cementing roll roofing, apply the cement in a continuous (but not excessive) layer over the full width of the lap.

Press the lower edge of the upper course firmly into the cement until a small bead appears along the edge of the sheet. Using a roller, apply pressure uniformly over the entire cemented area. Unless otherwise noted by the roofing manufacturer, apply lap cement conforming to ASTM D 3019 at the rate specified by the coating manufacturer.

