



Application Specification # AC-612-9T

ASTEC #900 System Plywood Deck Roof Totally Reinforced

2/17/04

ALL GENERAL REQUIREMENTS AND ARCHITECTURAL DETAILS ARE PART OF THIS SPECIFICATION

1. **PLYWOOD DECKS** shall be free of dust, dirt, grease, oil and moisture prior to application of the **ASTEC System**. Before coating work has commenced, surface shall be inspected for contaminants which may affect the bond of the coating. Thoroughly sweep, power wash or vacuum clean all surfaces to be coated.
2. **PLYWOOD DECKS** shall be free of voids and without offsets at joints.
3. **ALL EXPANSION** controls joints and flashings shall be installed and completed prior to application of the ASTEC System
4. **TERMINATION** points, cracks, seams and knotholes shall first be caulked with **ASTEC #2001 Acrylic Caulk**, or other 100% acrylic or urethane caulking.
5. **AFTER CAULK** has skinned over, The base coat of **WPM #9** shall be applied at a rate of 66 square feet per gallon. Before this base coat has skinned over, a 36" wide strip of polyester cloth shall be embedded into the wet **WPM #9**. Each strip of cloth shall overlap the last one by at least a 2" minimum. A roller shall be used to assist in this embedding process, making sure the cloth smoothly covers the roof leaving no wrinkles, bubbles or air entrapment.
6. **A SECOND** coat of **WPM #9** is to be applied at the rate of 66 square feet per gallon over the polyester cloth, again making sure there are no wrinkles, bubbles or air entrapment.
7. **THIS FULLY** cured multiple coat application of **WPM #9** will yield a closed seal film with a Dry Film Thickness averaging no less than 30 mills over the entire roof deck. (This may require up to 4 gallons per square on an uneven or rough surface.)
8. **ASTEC WPM #9** shall be allowed to dry 4-8 hours, after which an inspection shall take place repairing any defects in the **WPM #9**.
9. **INSPECT SURFACE** of the cured **WPM #9** membrane to be sure it is free of all moisture, dirt, dust, and debris before additional coatings are applied.
10. **APPLY ASTEC #900 CERAMIC FIRST COAT** over the entire roof surface at an average coverage rate of no less than 148 square feet per gallon to lower substrate surface temperature, improve the rate of curing and the quality of the finished appearance
11. **APPLY SECOND ASTEC #900 CERAMIC FINISH COAT.** The second ceramic coat application, shall also average a minimum of 148 square feet per gallon. This two coat application of Astec #900 will result in a final covering of no less than 12 mils DFT (equal to a combined minimum coverage rate of 74 sf/gal).
12. **THE ASTEC PLYWOOD DECK SYSTEM** applied as specified over the entire roof deck surface in these multiple coats will result in a minimum coverage rate of 4.33 gallons per square which will yield an average minimum DFT of 42 mils.