



ASTEC #900 System
Corrugated Transite Roof

2/17/04

ALL GENERAL REQUIREMENTS
AND ARCHITECTURAL DETAILS ARE
PART OF THIS SPECIFICATION

1. **CLEAN SURFACE** to remove all dust, dirt, and other contaminants so as to leave a sound, clean and dry surface. Treat any mildew and mold with a bleach solution, let stand 30 minutes, and rinse.
2. **FASTENERS**, screws and fastening devices are first tightened or replaced so that all sections are firmly held and all joining sections closed. Then rusted fasteners are primed with **ASTEC B-16-71 Metal Primer**.
3. **PRIME** all rusted and/or corroded surfaces of any existing flashings, vents, stacks, and repair areas. Scaling rust shall first be removed by scraping or by mechanical wire brush. Priming will consist of a minimum two-coat application of anti-corrosive **ASTEC B-16-71** applied to the sound, clean, and dry metal surfaces at an minimum average coverage rate of 300 sf/gal per coat over the rusted areas.
4. **PRIME ALL TRANSITE SURFACES** with **ASTEC TRANSITE SEALER** after surface has been cleaned, bleached and dried. The **ASTEC TRANSITE SEALER** shall be applied at 150-225 sf/per gallon.
5. **WATERPROOF** all fasteners with **WPM #9 Waterproofing Membrane**. **WATERPROOF** horizontal seams and flashing with 4" wide polyester cloth embedded into an 8" wide wet coat of **WPM #9 B&R**. In all cases apply cloth with a brush and/or roller into avoid wrinkles or gaps between the material and the surface. The cloth may be overlaid. For a faster dry-in **BBT**, (butyl backed tape), is an alternative to the first coat of **WPM #9 B&R** and polyester cloth. In either case all treated areas receive a second coat of **WPM #9**

B&R overlapping 2" each side at an average rate of 82sf/gal per coat. (See Note 1)

6. **INSPECT SURFACE AREA** to be sure it is clean, dry and free from all moisture, dirt, dust, or debris before applying the ceramic finish coats..
7. **APPLY ASTEC #900 CERAMIC PROTECTIVE COAT** at the rate of 100sf/gal over the WPM #9 membrane covering joints, flashings, and repaired areas. This protective coat will be applied in addition to and before the ceramic finish coats.
8. **APPLY ASTEC #900 CERAMIC FIRST COAT** over the entire roof surface at an average coverage rate of 148sf/gal to lower substrate surface temperature, improve the rate of curing and the quality of the finished appearance.
9. **APPLY ASTEC #900 CERAMIC FINISH COAT** by brush, roller or spray over entire roof surface at an approximate coverage rate of 148sf/gal. The ASTEC system applied in these multiple coats will result in covering the entire surface with a dry, fully cured film having an average thickness of not less than twelve (12) mils DFT (equal to a combined minimum coverage rate of 74sf/gal).

Note:

1. **ASTEC WPM #10**, applied at a rate of 25 sq/ft per gallon (40 mils DFT) is an approved equal and will be accepted as an alternative to using **ASTEC WPM #9** and polyester cloth on seams. **ASTEC #101 Accelerator** may be added to **WPM #10** to enhance cure time. *(Mixing ratio is critical. See appropriate product specifications for proper use)*