



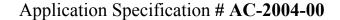
ASTEC #2000 System Sprayed Polyurethane Roof

1/27/04

ALL GENERAL REQUIREMENTS AND ARCHITECTURAL DETAILS ARE PART OF THIS SPECIFICATION

- 1. FINISHED SURFACES of applied spray foam shall be of reasonable smoothness, free of ridges, bumps and depressions to facilitate drainage. Foam shall be in an acceptable condition to receive coatings.
- **2. ASTEC COATINGS** shall be applied only after foam has cured sufficiently according to the foam manufacture's specifications.
- 3. PRESSURE WASH to achieve a clean, dry surface free of all dust, dirt, oil and other contaminants so as to have a sound, clean and dry surface prepared for subsequent coating operations. Mold and mildew shall be treated with a 50% mixture of bleach and water. Some surfaces may require multiple passes of pressure washing to ensure adhesion of the ASTEC Coating System.
- 4. Apply ASTEC #4000 Surface Conditioner at a rate of 200 sq/ft per cut gallon over entire areas of previously coated, painted, factory applied systems, or surfaces with silver aluminum coatings.
- 5. DRY SURFACE means that all water shall be removed from the surface at least 2 hours prior to application of the ASTEC system. Additional vacuuming and/or power blowing will help remove water and moisture from roof surface.
- 6. EXISTING WEATHERED OR LOOSE URETHANE shall be removed from the substrate and that section shall be refoamed to provide a sound surface.
- **7. REPAIR FOAM SURFACE** breaks or cracks with urethane caulking compound or urethane foam prior to application of the ASTEC system.

- **8. INSTALL AND/OR REPAIR** any drains, protrusions, vents, expansion control joints and flashing areas as required. If any rusted metal is present, after proper surface preparation, follow with a minimum two coat application of anticorrosive **ASTEC B-16-71** applied to the roof surface at a minimum coverage rate of 300 sf/gal to result in an average of 2-4 mils DFT.
- 9. CAULK all exposed cracks and seams with ASTEC #2001 Acrylic Latex Caulk, or other 100% acrylic or urethane caulking. Optionally, in gaps and cracks 1/8" or less in width, brush in ASTEC #2000 Flash Grade Waterproof Membrane.
- 10. WATERPROOF caulked seams with an 8" wide wet coat of ASTEC #2000 Flash Grade Waterproof Membrane centered on the bead applied at an average rate of 82sf/gal.
- 11. REINFORCE all penetrations, joints, flashing, and repair areas with 4" wide polyester cloth embedded into 8" wide wet coat of ASTEC #2000 Flash Grade Waterproof Membrane. In all cases apply to cloth with a brush or roller to avoid wrinkles or gaps between the material and the surface. The cloth may be cut and overlaid. For a faster dry-in, BBT (butyl backed tape), is an alternative to the first coat of ASTEC #2000 Flash Grade Waterproof Membrane and polycloth. In either case all treated areas receive a second coat of ASTEC #2000 Flash Grade Waterproof Membrane overlapping 2" each side at an average rate of 82sf/gal per coat (allow 2-4 hours drying time between applications)(See Note 1)
- **12. INSPECT SURFACE AREA** again to be sure it is dry and free of all moisture, dirt, dust, and debris before applying each of the remaining coatings.
- **13.** A TWO COAT APPLICATION of ASTEC #2000 Base Coat shall be applied at a coverage rate of 3/4 gallon per 100sf per coat with the first coat being back rolled when sprayed. The first coat





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of **ASTEC #2000 Base Coat** shall be allowed to dry 2-4 hours before spraying second coat. The surface of the cured **ASTEC #2000 Base Coat** shall be free of all moisture, dirt, dust, and debris before additional coats are applied.

- **14. THE ASTEC #2000 FINISH COAT** shall be uniformly applied at a rate of 1½ gallon per 100sf.
- **15. The ASTEC #2000 COATING SYSTEM** will result in a minimum 3 gallons per 100sf system resulting in no less than 30 mils DFT.
- **16. UPON FINAL COMPLETION** "foot traffic" pads will be required at point of entry, (fixed ladder or other roof access points) in any areas around HVAC units, and in all heavy traffic areas.

NOTES:

- 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 #2000 Flash Grade Waterproof Membrane 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)
- 2. Not Responsible for the bond of the preexisting polyurethane foam system to the existing roof deck.