



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

APPLICATION SPECIFICATIONS General Requirements (Page 1 of 2)

PRE-REQUISITES

- A. A sound surface is a pre-requisite to the application of any SPI coating system. An unsound surface is in fact a structural problem which can not be rectified by a coating solution. It is the building owner's responsibility to provide a sound surface. Structural failure cancels all warranty obligations of SPI.
- B. All surfaces must be completely clean and dry at each stage of application - each time a SPI product is applied: no dirt, leaves, droppings, scaling or flaking paint, and no chalky or oily residues.
- C. Treat mold, mildew or other organic growth with a mixture of 1ounce detergent combined with 1-gallon household bleach adding 2 gallons of water. Let stand 10 to 30 minutes and rinse thoroughly. Pressure wash surface with a minimum of 3500 psi.
- D. Treat new metal with Tri-Sodium Phosphate (TSP) and a small amount of detergent, applied by sprayer or brush followed by a pressure clean rinse.
- D. Coat all areas of corrosion using SPI Rust Grip[®] in accordance with the product data sheet for application. It is important that all surfaces to receive Rust Grip[®] be dry or free of moisture.
- E. All products need to be thoroughly mixed with a paddle or preferably by a "jiffy mixer" blade driven by a high-speed 3/8" or 1/2" electric drill before using to ensure even flow. ALWAYS clean paddle thoroughly when changing from one product to another to avoid possible contamination.

Weather Conditions

- A. Ambient air temperature must be within 50°F and rising and 100°F and falling.
- B. Prior to the application of coatings the surface must be 50°F and warming, if the surface temperature is over 150°F a thin coat of Super Therm[®] should be applied to cool the surface.
- C. Curing time is 21 days under normal weather conditions.
- E. Do not apply coatings if freezing may occur within 24 hours of application.
- F. Do not apply late in the day when condensation or dew may form. Allow at least two hours full sun before potential dew

CAUTIONS & LIMITATIONS

- A. Different coatings are not to be mixed together. Even a small amount of contamination can spoil the product due to incompatible chemistries.

- B. Exterior surfaces have many environmental variations. If conditions in the area of the SPI application are unique, harsh, or unusual, contact the SPI Technical Department for any defined limitations.
- C. All surfaces must have positive slope and drainage to allow for proper curing.

Auxiliary Applications

- A. Vapor barriers where required.
- B. Vents for pressure relief where required.
- C. Expansion joints and flashings where needed.
- D. Areas of wet sub roof insulation must be opened to dry or replaced prior to the application of any SPI system.
- E. Insulation is recommended to prevent any condensation from forming on the under side of metal roofs.

Fire Considerations

- A. Super Therm[®] does not support combustion and is Class "a" or "1" rated. ASTM E84-89 Flame Spread/Smoke: Passed (0 flame 0 smoke) NASA 8060.1B/C Test1 Flammability: Passed (Class A rated) NASA8060 1B Test Toxic Off-Gassing: Passed (K rating for toxicity).
- B. See applicable MSDS sheets for product specific considerations.

Safety

- A. Cured and un-cured coatings can become wet from rain, dew or other causes and become extremely slippery. Special care should be exercised when walking on a wet roof.
- B. Applicators shall comply with all local, state and federal regulations.
- C. See applicable MSDS sheets for specific product information.

Service Walkways

- A. Service walkways shall be installed for more than occasional maintenance activities.
- B. Service walkways shall be installed after the application of Super Therm[®].
- C. Enamo Grip WB FTC shall be applied in a different color and pea gravel shall be broadcast into the wet coating.

Wind Uplift

- A. Resistance of the entire roof structure to failure by wind uplift vacuum depends on the deck, insulation, fastening methods and felts. Data on these items are obtainable from their respective manufacturer.

STORAGE OF MATERIALS

- A. No materials are to be stored in direct sunlight.
- B. Air temperature of storage area shall be maintained between 50°F and 100°F.
- C. With proper storage, the shelf life of Super Therm[®] material is 1 year. (Refer to product specification)

WARRANTIES

- A. SPI offers a written Ten-Year Limited Product Warranty for Super Therm[®] applications when the products are applied to residential roofs.
- B. SPI offers a written ten year Limited Product Warranty for Super Therm[®] applications applied to residential walls.
- C. SPI offers a written ten-year Limited Product Warranty for Super Therm[®] applications applied to individually own, multi family condominium projects. Multi unit applications and warranties must be pre- approved by SPI Technical Services.
- D. Any person(s) using SPI products for any application, other than is currently specified by SPI does so at their own risk. Written permission and/or approval must be obtained from SPI to ensure warrantibility.
- F. SPI's standard warranty requires an authorized Dealer or Certified/Qualified applicator to perform the surface preparation and application in accordance with the General Requirements and Product and Technical Data.
- G. SPI assumes no liability or responsibility for failures or damages resulting from the circumventing of these minimum requirements.