

# GENERIC APPLICATION SPECIFICATION FOR THE APPLICATION OF ULTRASEAL LITE SYSTEM



## SUBSTRATE: GALVANIZE/CORRUGATED

### 1.0 Weather Conditions:

No coating shall commence when the relative humidity exceeds 70%. The surface temperature must be greater than  $>3^{\circ}\text{C}$  above the dew point. The ambient temperature must be  $>5^{\circ}\text{C}$ . Environmental conditions shall be checked every 2 hours

### 2.0 Pre-cleaning (Previously painted):

- Remove all surface contaminants, oil and grease.
- Any foreign matters to be removed by clean rag.
- Steam cleaning or organic emulsion cleaner and allow drying.
- Water break free surface water spray and visual; should form a continuous film when water is applied in thin layer.

### 2.1 Pre-cleaning:

Surface cleaning prior to coating application using NUI-Galv 760

#### Method of cleaning

- Dilute NUI-Galv 760 1:1 with water.
- Leave for 1 minute to allow mixture to foam.
- Clean surfaces with NUI-Galv 760 dilution using a broom. Remove all surface contaminants such as wax, oil and grease.
- Rinse with clean water. Water break free test to be conducted in accordance. When a mist of water is sprayed onto the surface the water should form a continuous film if no oil base contamination is present.
- Allow to dry before commencing.
- Surface to be prepared in accordance with section 3.1 of this specification.

### 3.0 Surface Preparation (Previously Painted):

Thorough hand tool cleaning in accordance to SSPC-SP2. Loosely adhering old paint coating may be removed from substrate by means of:

- Hand wire brushing
- Sanding
- Scraping
- Chipping

Power tool cleaning in accordance to SSPC-SP3. Power assisted hand tools to obtain a surface free of all loose paint, and other loose detrimental foreign matter.

- Impact cleaning tools
- Rotary cleaning tools
- Rotary impact tools

### 3.1 Surface Preparation (New):

- Lightly abrade the surface to remove any white rust that might be present on the surface.
- Solvent wipe to remove all surface contaminants.
- The galvanized surface must be free of protrusions and slightly roughened to provide an anchor profile.
- Hand or power-tools can be used.

### 4.0 Cleanliness of Surface Prior to Application:

- No significant visual dust.
- Newly abraded profile is cleaned to a dust and debris ISO 8502-3 max rating 2.

### 5.0 Application of Ultraseal Acrylic Single Component Acrylic Waterproofing:

#### Method of application:

- Brush
- Roller
- Airless Spray

#### Theoretical cons/m<sup>2</sup>: 1.0 lt at 0.5 mm DFT (excl wastage)

- Application must be done in layers of 275  $\mu\text{m}$  WFT to allow water to evaporate. If this is not adhered to, water entrapment will prevent the coating body to cure.

Typical dry film thickness: 0.5 mm

#### Overcoating time:

- Min: 24 hours (To allow for water evaporation)

*Ultraseal Lite may be used with a membrane if required.*

### 6.0 Inspection and Test Reports:

- Daily reports for humidity, temperature, dew point and surface temperature shall be recorded.
- Dust and debris free.
- Dry film thickness measurements.
- Electric Insulation defects report.

### 7.0 Technical Data Sheets and Material Safety Data Sheets:

The following Technical Data Sheets and Material Safety Data Sheets are provided with the specification:

- Ultraseal Lite
- NUI-Galv