

GENERIC APPLICATION SPECIFICATION FOR THE APPLICATION OF ULTRASEAL ACRYLIC 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° C above the dew point. The ambient temperature must be >5° 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/m²: ± 2.1 Lt at 1 mm DFT (excl wastage)

- Application must be done in layers of 500µm 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: 1.0 mm

Overcoating time:

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

Ultraseal Acrylic 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 Acrylic
- NUI-Galv