

# PRODUCTS

**PROTEQ ALUMINIUM INFUSED UNDERCOAT** is a high-solids, surface tolerant, maintenance aluminium epoxy coating with exceptional corrosion protection for use in industrial and marine environments. It gives superior performance on mechanically cleaned surfaces with special wetting agents to penetrate the substrate over minimal surface preparation, can be over coated with a wide variety of topcoats and is compatible with most existing sound coatings.

## **PRODUCT USES**

- ▶ Recommended for a variety of areas especially where surface preparation is limited.
- ▶ Suitable for use in industrial and marine environments.

## **ADVANTAGES**

- ▶ Excellent adhesion to a wide range of substrates.
- ▶ Good chemical resistance to splash and spillage, fume and immersion in neutral fresh and salt water.
- ▶ Fast curing.
- ▶ High volume solids.
- ▶ High build coating for greater protection.
- ▶ Can be used as a topcoat.
- ▶ Minimal surface preparation required.

Thinning: Epoxy Thinner

Substrate Temperature: min: 10°C, max: 50°C

Ambient Temperature: min: 10°C, max: 60°C

Relative Humidity: min: 0%, max: 90%

Do not apply when the surface temperature is less than 2°C above the dew point.

## **DRYING TIME: TEMPERATURE TOUCH DRY HARD DRY OVER COATING TIME**

<i>Temperature</i>	<i>Touch Dry</i>	<i>Hard Dry</i>	<i>Over Coating Time</i>
10°C	16 hours	72 hours	24 hours
20°C	6 hours	24 hours	10 hours
30°C	4 hours	10 hours	8 hours

## **TECHNICAL DATA**

Number of Components: Two Component

Pack Size: 2 Lt and 10 Lt

Volume solids: 90% +\_2%

Recommended D.F.T.: Min: 75 micrometers Max: 250 micrometers Typical: 125 micrometers

Recommended W.F.T.: Min: 89 micrometers Max: 333 micrometers Typical: 139 micrometers

Spreading rate: (Theoretical) 6m<sup>2</sup> /l at 125 microns D.F.T. at stated volume solids

Colour: Aluminum Semi Gloss (Epoxyes lose gloss in sunlight.)

Thinner For Spray applications, may not be thinned more than 20%

**PROTEQ TOPCOAT** is a two-component acrylic polyurethane based protective coating that forms an attractive high gloss, re-coatable, colourfast, abrasion and weather resistant topcoat for metal.

### **PRODUCT USES**

- ▶ High performance finish for both maintenance and new construction.
- ▶ Recommended as a finishing coat for UV protection and weather, chemical and abrasion resistance.
- ▶ Recommended specifically for marine and offshore equipment and structures, where a weather and chemical resistant coating is required

### **ADVANTAGES**

- ▶ Exhibits a durable finish with an attractive decorative appearance.
- ▶ Excellent gloss and color retention.
- ▶ Good weather resistance and flexibility.
- ▶ Excellent abrasion resistance.
- ▶ Good chemical resistance against acids, alkalis and solvents.
- ▶ Excellent resistance to salt/water.

### **THEORETICAL COVERAGE**

11m<sup>2</sup> per liter per coat @ a DFT of 50 microns

### **TECHNICAL DATA**

Pack size: Material is supplied in two containers which when mixed make up a pack of 5 liters

Volume Solids: 55% +\_2%

Dry film thickness: 40 - 80 Microns

Wet film thickness: 70 – 150 Microns

Drying time is temperature, humidity, and film thickness dependent

Drying Time @ 60 Microns:	5°C	10°C	20°C	30°C
Surface Dry:	50 min	30 min	20 min	10 min
Hard Dry:	12 hrs	8 hrs	6 hrs	4 hrs
Minimum overcoating time:	8 hrs	6 hrs	4 hrs	2 hrs

Flash Point: Base-18°C Curing Agent-29°C

Surface Temperature: Minimum -5°C

Relative Humidity: Maximum 85% R.H.