

## BC PU Thane

### Two component Aliphatic Polyurethane System

#### Description:-

BC PU Thane is a two component high gloss chemical and weather resistant top coat it combines an acrylic with an aliphatic polyurethane, to outlast conventional acrylics, alkyds, epoxies, polyester and urethane alkyd finishes

BC thane finish is hard tough abrasion resistant, reduces the buildup of dirt, dust and other airborne pollutants

#### Typical Uses:-

BC PU Thane specifically developed for the protection of metal, concrete, wood and fiber glass surfaces which are subject to corrosion and weathering exposure.

#### Benefits:-

- Excellent color and gloss retention
- Easy to apply by spray or roller.
- Relatively long pot life at elevated temperature.
- Very good flexibility
- Resistant to splash and spill of mild chemicals and solvents
- Good abrasion resistance.
- Good U.V. Resistance.

#### Technical Properties:-

<b>Components</b>	Two Components
<b>Shade</b>	Clear, White, Grey or Assorted
<b>Finish</b>	Glossy
<b>Surface</b>	Suitable Prime Steel and concrete surface
<b>Mass density</b>	Approx. 1.2 g/cm
<b>Mixing Ratio</b>	By volume - 9:1
<b>Pot life</b>	10 hours
<b>Touch dry</b>	1 hour
<b>Thorough drying</b>	16 hours at 20 Degree Celcius
	8 hours at 40 Degree Celcius
<b>Self-Life</b>	12 months
<b>Flash Point</b>	27 Degree Celcius



## **Instruction to Use:-**

### **Surface Preparation**

Concrete and Steel surfaces will be cleaned by grit blasting, power wire brushing or other mechanical blasting, power wire brushing or other mechanical means. Steel will be primed using Zinc Rich Primer or Zinc Phosphate or Epoxy Mastic.

BC PU Thane will be applied to the prepared surface within 48 hours. Otherwise the primed

Surface will need to be further abraded to ensure adhesion. Surface temperature must be above 5°C and at least 3°C above the dew point during application

### **Application:-**

BC PU Thane is ready for use after mixing with poly Isocyanate curing agent and can be applied by brush or roller. Apply BC PU Thane in two crossed coats at total thickness of 50-100 microns.

### **Precautions:-**

Do not apply the BC PU Thane if the ambient temperature less than +5°C. Protect the BC PU Thane coating from rain.

### **Coverage:-**

Approx. 9.4 SQM / Liter @ 50 micron thickness depending on surface conditions.

### **Packaging**

BC PU Thane is packed in 20 liter metal can. High temperatures accelerate the process while greater thicknesses require maximum time for curing.

### **Storage**

Store under dry shaded area in the original closed container

### **Health & Safety:-**

While using all construction chemical products, should be careful and avoid direct contact to eyes, skin and hands. Wear gloves and goggles while handling this product. If sever burn to eyes, skin or hands, consult a Doctor immediately.

The Technical specification information and recommendation given one based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product Building chemistry industry reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of Building chemistry industry no guarantee and or responsibility is assumed on the performance of work completion executed with use of our products.

