



PROTECTIVE  
POLYMERS

# PROTECT PU FINISH

## 2 PACK POLYURETHANE FINISH

### Product Description

ProTect PU Finish is an, acrylic based, polyurethane topcoat for atmospheric service. ProTect PU Finish provides excellent durability and offers superior gloss and colour retention.

### Typical Use

ProTect PU Finish can be used as a gloss finish over properly prepared substrates. Recommended for top coating AeroShield 180 T15 in aggressive environments. ProTect PU Finish can also be used for coating containers, machinery and general steel fabrications in marine and industrial environments.

### Technical Data

<b>Volume Solids</b> 51%+ /- 2%	<b>Finish</b> Gloss	<b>Number of Coats</b> 1 or 2	<b>Packaging</b> 5 and 20 Lt steel pails
<b>Colour</b> Full RAL range	<b>Flash Point</b> 24°C	<b>Mix ratio</b> 4 Base : 1 Activator by volume	<b>Solvent</b> Thinner no 6
<b>Specific Gravity</b> 1.25 kg/L	<b>VOC</b> 429 grams per litre		

### Recommended Dry Film Thickness

	DFT per coat	WFT per coat	Theoretical Spreading rate m2/L
<b>Range</b>	30 µm -50 µm	60 µm- 100 µm	17 - 10.2
<b>Recommended</b>	40 µm	80 µm	12.8

### Drying times

Substrate Temperature	Touch Dry	Dry to handle	Dry to re coat Minimum	Dry to re coat Maximum	Full Cure
10°C	4 Hours	12 Hours	24 Hours	78 days *	7 Days
20°C	2 Hours	6 Hours	12 Hours	30 days *	5 Days
30°C	1 Hours	4 Hours	8 Hour	2 days *	3 Days

\*Surface to be dry and free from contaminants. When maximum recoating time is exceeded, the surface must be abraded.

### Surface Preparation

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. All surfaces should be clean, dry and free from contamination. Surfaces should be treated in accordance with ISO 8504:2000. Ensure the compatibility of the coated substrates with the selected paint system.

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### Mixing

Mix 4 litres base with 1 litre activator, mix thoroughly. (Pot life 6 hours at 20°C). Mix thoroughly with an air fed power mixer or an electric mixer.

### Application Conditions

Do not apply when RH exceeds 88% or the surface is less than 3°C above dew point. Do not apply to substrates at temperatures below 10°C. Do not apply coats heavier than stated as this will lead to defects. The temperature of the paint should be at least 15°C.

### Application Equipment

#### Airless spray

Thin with up to 5% thinner No 6.  
Use 0.38 - 0.58 mm tip,  
40 - 80° angle and 2000 - 2500 psi pressure.

#### Brush and roller

Thin up to 5% as required

### Clean-up

Clean up immediately after use with thinner No 6 Discard clean-up material according to local environmental regulations.

#### Precautions

This product is for use only by professional Applicators in accordance with information in this Technical Data Sheet and the Safety Data Sheet (SDS). Refer to this product's SDS before using this material.

#### Material Storage

Store all coating materials in a dry place as close to room temperature as possible. Ideal storage temperature should be between 10°C to 27°C. Keep cans sealed and out of direct sun light when not use. Warm up cold material to room temperature before using.

This information is given in good faith for the guidance of users but without warranty or liability. Any queries should be referred to our Technical Department. The above information, based on laboratory tests and practical experience has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001. As a manufacturer, we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes. This product is for professional use only.

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