



## PERFORMANCE POLYURETHANE TOPCOAT

### PRODUCT DESCRIPTION

Commercial Performance Coatings Performance Polyurethane Topcoat is a two component, non-yellowing, acrylic modified polyurethane with good weathering performance.

It is used for the protection of steel and other surfaces exposed to a chemical environment and weathering where a cost effective, durable gloss topcoat is required.

Utilizing the SELEMIX® universal tinter system, Commercial Performance Coatings Performance Polyurethane Topcoat is available in a range of colours from the AS2700 and RAL Classic colour ranges as well as a range of gloss levels.

### PRODUCTS

Performance PU Topcoat Mixed Colour		PPT
Hardeners		PUH20 Polyurethane Pack B Normal
		PUH30 Polyurethane Pack B Slow
Reducers	<i>Cold conditions</i>	PUR10 Polyurethane Reducer Fast
	<i>Normal conditions</i>	PUR20 Polyurethane Reducer Normal
	<i>Hot conditions</i>	PUR30 Polyurethane Reducer Slow
	<i>Very Hot conditions</i>	PUR40 Polyurethane Reducer Extra Slow
Cleaners		971-9119 PROTEC® Metal Conditioner
		AA-6822 <i>Protec</i> Heavy Duty Wax & Grease Remover

### SUBSTRATES & PREPARATION



Commercial Performance Coatings Performance Polyurethane Topcoat can be applied over the following primers:

- EPS EtchPro Primer Surfacer, 426 EtchPro, 426 Vinyl Etch
- 408 Epotec Primer Surfacer, 428 Barrierprime

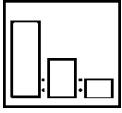


Surfaces showing heavy scale or surface rust should be treated with 971-9119 *Protec* Metal Conditioner. Heavily rusted surfaces should be abrasively blast cleaned.

Before and after any sanding operation, the substrate must be thoroughly degreased using AA-6822 *Protec* Heavy Duty Wax & Grease Remover to remove all traces of dirt, oil, grease, silicone, wax etc.

*For other primer options please consult the PPG Commercial Performance Coatings Technical Team.*

## MIXING RATIO BY VOLUME



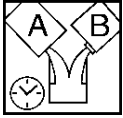
### PRODUCT

PPT Mixed Colour  
Hardener  
Reducer

### PARTS

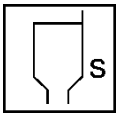
4  
1  
Up to 30% (40% with Matt colours)

## POT LIFE



Catalysed material is useable for up to 6 hours at 25°C

## SPRAY VISCOSITY



CONVENTIONAL, HVLP

16 - 20 seconds (DIN 4) at 25°C

AIRLESS, AIR ASSISTED AIRLESS

20 - 30 seconds (DIN 4) at 25°C

## SPRAYGUN



### CONVENTIONAL, HVLP

#### SETUP

- GRAVITY 1.4 mm - 1.6 mm
- SUCTION 1.4 mm - 1.8 mm

#### SPRAY PRESSURE

- CONVENTIONAL 3.0 - 4.0 bar (300 - 400 kPa, 45 - 60 psi)
- HVLP / RP 2 - 3 bar



### AIRLESS, AIR ASSISTED AIRLESS

#### SETUP

- TIP 0.007 - 0.015
- PUMP RATIO 32:1

#### SPRAY PRESSURE

- AIRLESS 100 - 140 bar
- AIR ASSISTED AIRLESS 70 - 100 bar

## APPLICATION & FLASH OFF



CONVENTIONAL, HVLP

2 - 3 wet, even coats

AIRLESS, AIR ASSISTED AIRLESS

2 wet, even coats

Allow 10 - 15 minutes flash off between coats at 25°C

Note: Do not apply at temperatures less than 10°C, when the relative humidity exceeds 80%, or if the surface temperature is within 3°C of the dew point.

## DRYING TIMES



### AIR DRY (25°C)

- TOUCH DRY: 30 minutes
- HARD DRY: 24 hours

### BAKE (65°C)

40 minutes

Note: Drying times can vary dependent on temperature, flash off between coats, film builds and number of coats applied. Full cure will be achieved after 7 days.

## RECOAT



Recoat within the pot life (6 hours) or after 24 hours.

If recoating after 24 hours, the coating must be lightly abraded and degreased prior to painting.

Aged films must be free of chalk and dirt (abraded and degreased) before recoating.

## TOTAL DRY FILM BUILD

40 - 60 µm

## TECHNICAL PARAMETERS

### VOLUME SOLIDS (RFU)

32 - 38%, depending on colour

### COVERAGE

5.3 - 9.5 metres squared per litre (m<sup>2</sup>/L)

### RESISTANCE PROPERTIES

#### WEATHERING

Very Good

#### ABRASION

Good

#### SOLVENT

Good to splash and spillage for common solvents

#### CHEMICAL

Good to splash and spillage for mild chemicals

#### HEAT

Satisfactory up to 120°C Dry Heat

#### IMMERSION

Not recommended

## EQUIPMENT CLEANING

After use, clean all equipment thoroughly with cleaning solvent or thinner.

## HEALTH AND SAFETY

**Please refer to Safety Data Sheets (SDS) for full Health and Safety details, as well as product can labels.**

Hardeners and activated products contain isocyanate and therefore particular safety precautions must be taken; please refer to SDS for full health and safety details.

This product is for professional use only.  
The information given in this sheet is for guidance only. Any person using the product without first making further inquiries as to the suitability of the product for the intended purpose does so at his or her own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.  
Drying times quoted are average times at 25°C/77°F. Film thickness, humidity and shop temperature can all affect drying times.

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