

# PUR 840-G

## 2K Anti-corrosion Polyurethane

### PRODUCTS

Pigmented bases	<b>DISOLAC</b>	20
Binder	<b>PUR 840-G</b>	80
Hardener	<b>E9005 standard</b>	4:1
	<b>E9003 slow</b>	4:1
	<b>E9006 fast</b>	4:1
Thinner	<b>PU74 standard</b>	0-20%
	<b>PU74L slow</b>	0-20%

### DESCRIPTION AND PROPERTIES

- High gloss and good chemical resistance.
- Coating with anticorrosive protection.
- Direct adhesion to metals, especially iron/steel, galvanised and aluminium.
- Reaction to fire CLASS B-s1,d0 (UNE-EN 13501-1:2007+A1:2010).
- The product must be applied in installations that comply with Directive 1999/13/EC.

### CHARACTERISTICS OF PUR 840-G

<b>Appearance</b>	Glossy	
<b>Gloss</b>	>90 at 60°, 70-80% at 20°	
<b>Specific weight of the Binder</b>	1,0-1,1 kg/l at 20°C	
<b>Solid content (binder)</b>	52-58% (weight)	42-48% (volume)
<b>Solid content ready to use (not dilution)</b>	48-57 % (weight)	38-43% (volume)
<b>VOC ready to use 20% dilution</b>	> 500 g/l - 2004/42/EC - IIA(j)(500)	
<b>Dry film thickness</b>	60-70 microns (2 coats)	
<b>Theoretical yield 1 µm per litre of binder</b>	420-480 m <sup>2</sup> /l	
<b>Theoretical yield 1 µm per litre of mixing not dilution</b>	380-430 m <sup>2</sup> /l	
<b>Corrosion category system 840-G (ISO 12944)</b>	C3 medium /C4 low	

## SUBSTRATE AND PREPARATION OF THE SURFACE

	CLEANING	SANDING	FINAL CLEANING
Old paints	DA93	P360/400	DA93
Plastic parts	--	--	--
Steel	DA93	P360/400	DA93
Galvanised steel	DA93	P360/400	DA93
Aluminium	DA93	P360/400	DA93
<b>PRIMERS</b>			
Primanyl 5011	DA93	---	---
Primapox 6021	DA93	Optional (P320)	DA93
Primapox 6041	DA93	Optional (P320)	DA93
Primapur 9051	DA93	Optional (P320)	DA93

For other kind of substrates consult the Technical Service (SAT).

## APPLICATION

T(°C)	SMALL SURFACE		LARGE SURFACE	
	Hardener	Thinner	Hardener	Thinner
18-25	E9005/E9006	PU74	E9005	PU74
>25	E9005	PU74	E9005/E9003	PU74L

	Mixing ratio Disolac+/Binder (in weight)				20/80			
	Mixing ratio Hardener (in volume)				Pigmented		Clear coat	
					4:1		-	
Electrostatic application (in volume)								
	<b>Application</b>	<b>% thinner (Vol.)</b>	<b>Viscosity - 20°C (Ford Cup 4)</b>	<b>Pressure (BAR)</b>	<b>Product Pressure (BAR)</b>	<b>Nozzle (mm)</b>	<b>Num. of Coats x µm dry</b>	<b>Flash off (min)</b>
	Gravity feed spray gun	20-30%	20"-23" F/4 20°C	2-3	---	1,2-1,5	2x35	10' 20°C
	Pot life	5 hours						

If the application requires the use of an additive, it should be taken into account in the addition of solvent.

## DRYING

 TEMPERATURE	 HANDLING	THROUGH DRY
20° C	2h30'-3h	4h-4h30'
60° C	---	30'

The product reaches its maximum performance after 15 days of drying in the air (ambient temperature 18-22°C) or in a shorter time at a higher temperature.

## ADDITIONAL ADDITIVES FOR SPECIAL USES

SITUATION	ADDITIVE	DESCRIPTION	EFFECT
Craters	<b>Additive Anticrater Disolac</b>	Film protection from outdoor polluting agents	Anticrater; film protection
Weathering resistance /UV filters	<b>Additive UV</b>	Protection of the coating film against UV layers	Increases the durability of the coating film
Overspray sensitivity /Too fast drying of the film	<b>Flow Additive</b>	Improve the application, for example in the application of large surfaces or in dry conditions	Keeps the film opened for a longer time
Fast drying	<b>E9006</b>	Decreases drying times if needed	Decreases drying times
Slow drying	<b>E9003</b>	Increases drying times if needed	Increases drying times
Degreasing	<b>DIS226 DA93</b>	DIS226 for plastics and surfaces electrostatically chargeable. DA93 for greasy surfaces.	

For use and instructions of the additives consult the technical data sheet of each product.

## REMARKS

- Recommended to be used in ventilated spray booth at 20°C.

## EQUIPMENT CLEANING

- Use a cleaning thinner before the pot life has expired.



## SAFETY

- Follow instructions of product label.
- For more information check the Safety Data Sheet.
- Compliant with the National Statutory Regulation for Health and Safety at Work and Waste Disposal.

## STORAGE

- Store the product in a ventilated place far from direct exposure to sunlight.
- Keep between +5°C and +30°C.

## GUARANTEE

- One year in unopened original packaging

*For any technical information contact with our Customer Attention Service or our Technical Department.  
ROBERLO SA declines any responsibility due to an incorrect use of the product..*

