

PUR 840-G

2K Anti-corrosion Polyurethane

PRODUCTS

Pigmented bases	DISOLAC	20
Binder	PUR 840-G	80
Hardener	E9005 standard	4:1
	E9003 slow	4:1
	E9006 fast	4:1
Thinner	SOLV UNIVERSAL 5	0-20%
	SOLV UNIVERSAL 3	0-20%

DESCRIPTION AND PROPERTIES

- High gloss and good chemical resistance.
- Mate – can be mixed with PUR 840M to achieve the desired level of brightness (As shown in the brightness table in Annex A)
- Coating with anticorrosive protection.
- 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.
- Direct adhesion to iron, stainless steel, galvanized, cast iron, electrozinc, aluminium, ABS, PVC, methacrylate and gel coat.
- High chemical resistance to motor oil, diesel, osmotized water, H₂SO₄, NaOH and HCl.

CHARACTERISTICS OF PUR 840-G

Appearance	Glossy	
Gloss	>90 at 60°, 70-80% at 20°	
Specific weight of the Binder	1,0-1,1 kg/l at 20°C	
Solid content (binder)	52-58% (weight)	42-48% (volume)
Solid content ready to use (not dilution)	48-57 % (weight)	38-43% (volume)
VOC ready to use 20% dilution	> 500 g/l - 2004/42/EC - IIA(j)(500)	
Dry film thickness	60-70 microns (2 coats)	
Theoretical yield 1 µm per litre of binder	420-480 m ² /l	
Theoretical yield 1 µm per litre of mixing not dilution	380-430 m ² /l	
Corrosion category system 6041+840-G (ISO 12944)	C5 Medium (140µm+60µm)	
Corrosion category system 840-G (ISO 12944)	C4 low (130µm)	
Corrosion category system 5401+840-G (ISO 12944)	C3 Low (60µm+60µm)	


SUBSTRATE AND PREPARATION OF THE SURFACE



	CLEANING	SANDING	FINAL CLEANING
Old paints	DA93	P360/400	DA93
Plastic parts	--	--	--
Steel	DA93	--	--
Galvanised steel	DA93	--	--
Aluminium	DA93	--	--
PRIMERS			
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



	SMALL SURFACE		LARGE SURFACE	
	Hardener	Thinner	Hardener	Thinner
T(°C)				
18-25	E9005/E9006	SOLV UNIVERSAL 5	E9005	SOLV UNIVERSAL 5
>25	E9005	SOLV UNIVERSAL 5	E9005/E9003	SOLV UNIVERSAL 3

	Mixing ratio Disolac/Binder (in weight)	20/80
	Mixing ratio Hardener (in volume)	4:1
	Electrostatic application (in volume)	---

	Application	% thinner (Vol.)	Viscosity - 20°C (Ford Cup 4)	Pressure (BAR)	Product Pressure (BAR)	Nozzle (mm)	Num. of Coats x µm dry	Flash off (min)
	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	Additive Anticrater Disolac	Film protection from outdoor polluting agents	Anticrater; film protection
Weathering resistance /UV filters	Additive UV	Protection of the coating film against UV layers	Increases the durability of the coating film
Overspray sensitivity /Too fast drying of the film	Flow Additive	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	E9006	Decreases drying times if needed	Decreases drying times
Slow drying	E9003	Increases drying times if needed	Increases drying times
Degreasing	DIS226 DA93	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

ANNEX A

Brightness table (60° angle)

PUR 840G	PUR 840M	E9005 (in volume of colour)	GLOSS (^60°)	CATEGORY
100	0	4:1	>90	GLOSSY
75	25	4:1	70-90	SEMI-GLOSSY
50	50	4:1	40-70	SATIN
25	75	4:1	20-40	SATIN
0	100	4:1	<20	MATT

*Degree of brightness obtained through the mixture ratio Pigmented Base / Binder (20/80)
The degree of brightness depends on the color applied, dry thickness, substrate, drying temperature*

These products are for professional use only. The Safety Data Sheet should be consulted before use and the precautionary warnings on the product packaging should be observed. Its correct use, according to its purpose and respecting its technical and security data, provided in these documents, is the sole and exclusive responsibility of the user. ROBERLO S.A.U declines any liability due to the incorrect use of any product.

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