

PUR 800-G

2K Glossy Polyurethane Single Stage

PRODUCTS

Pigmented bases	DISOLAC	30
Binder	PUR 800-G	70
Hardener	E9005 standard	4:1
	E9003 slow	4:1
	E9006 fast	4:1
Thinner	SOLV UNIVERSAL 5	0-30%
	SOLV UNIVERSAL 3	0-30%

DESCRIPTION AND PROPERTIES

- High gloss, good chemical resistance, hardness and flexibility.
- It can be mixed with PUR 800S and PUR 800M to achieve the desired level of brightness (As shown in the brightness table in Annex A)
- Easy preparation and application.
- Recommended for a broad range of industrial applications.
- It is necessary to be applied in installations that comply with Directive 1999/13/EC.
- It can be used as a clearcoat, without pigment bases, applying it on basecoat.
- In this case, addition of UV Additive is recommended.
- High chemical resistance to motor oil, diesel, osmotized water, H₂SO₄, NaOH and HCl.

CHARACTERISTICS OF PUR 800-G

Appearance	Smooth	
Gloss	>94 at 60°, 90% at 20°	
Specific weight of the Binder	1,0 kg/l at 20°C	
Solid content (binder)	44-50% (Weight)	40-45% (volume)
Solid content ready to use without dilution	49-55% (Weight)	40-45% (volume)
Dry film thickness	50-60 microns (2 coats)	
Theoretical yield 1 µm per litre of binder	650-850 m ² /l	
Theoretical yield 1 µm per litre of mixing without dilution	400-450 m ² /l	
Corrosion category system 6041+800G (ISO 12944)	C5 Medium (180 µm + 60 µm)	
Corrosion category system 6041+9041+800G (ISO 12944)	C5 Low (120µm+40µm+50µm)	
Corrosion category system 7001+800G (ISO 12944)	C3 Low (80µm+45µm)	

SUBSTRATE AND PREPARATION OF THE SURFACE

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

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

	Mixing ratio Disolac+/Binder (in weight)	30/70	
	Mixing ratio Hardener (in volume)	Pigmented	Clear coat
		4:1	2,5:1
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	5-10%	20-23"	2-3	---	1.3-1.5	2x25	5-10'
	Pot life	8h						

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	2h-2h30'	3h-3h30'
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.

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.

SHELF LIFE

- One year in unopened original packaging.



ANNEX A

Brightness table (60° angle)

PUR 800G	PUR 800S	PUR 800M	E9005 (in volume of colour)	GLOSS (^60°)	CATEGORY
100	0	0	4:1	>95	GLOSSY
75	0	25	4:1	85-95	GLOSSY
50	0	50	4:1	75-85	SEMI GLOSSY
0	100	0	4:1	65-80	SATIN
40	0	60	4:1	60-75	SATIN
25	0	75	4:1	40-50	SATIN
0	50	50	4:1	20-30	SATIN
0	0	100	4:1	< 10	MATT

Degree of brightness obtained through the mixture ratio Pigmented Base / Binder (30/70)

The degree of brightness depends on the color applied, dry thickness, substrate, drying temperature...

ANNEX B – CLEAR COAT

Brightness table (60° angle)

PUR 800G	PUR 800S	PUR 800M	UV ADDITIVE	E-9005 (in volume)	GLOSS (^60°)	CATEGORY
100	0	0	3	2,5:1	>95	GLOSSY
75	0	25	3	2,5:1	85-95	GLOSSY
50	0	50	3	2,5:1	65-75	SATIN
0	100	0	3	2,5:1	40-60	SATIN
40	0	60	3	2,5:1	40-50	SATIN
25	0	75	3	2,5:1	15-25	SATIN
0	50	50	3	2,5:1	10-20	MATT
0	0	100	3	2,5:1	<10	MATT

Gloss level obtained by using the binder as a clear coat.

The gloss level depends on the color of the previous coat, dry film thickness, substrate, drying temperature, etc.

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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