

PUR 800-S

2K Satin Polyurethane Single Stage

PRODUCTS

| | | |
|-----------------|-------------------------|-------|
| Pigmented bases | DISOLAC | 20 |
| Binder | PUR 800-S | 80 |
| Hardener | E9005 standard | 4:1 |
| | E9003 slow | 4:1 |
| | E9006 fast | 4:1 |
| Thinner | SOLV UNIVERSAL 5 | 0-15% |
| | SOLV UNIVERSAL 3 | 0-15% |

DESCRIPTION AND PROPERTIES

- 2K polyurethane coating.
- Good chemical resistance, hardness and flexibility.
- It can be mixed with PUR 800G and PUR 800M to achieve the desired level of brightness (As shown in the brightness table in Annex A)
- Very easy to apply.
- Satin uniformity on large surfaces.
- Recommended for a large industrial applications.
- The product must be applied in installations that comply with Directive 1999/13/EC.

CHARACTERISTICS OF PUR 800-S

| | | |
|--|--------------------------------------|-----------------|
| Appearance | Satin | |
| Gloss | 70-80 at 60° | |
| Specific weight of the Binder | 1,2 kg/l at 20°C | |
| Solid content (binder) | 55-59 % (weight) | 39-43% (volume) |
| Solid content ready to use (without dilution) | 55-60 % (weight) | 40-45% (volume) |
| VOC ready to use | > 500 g/l - 2004/42/EC - IIA(j)(500) | |
| Dry film thickness | 50-60 microns (2 coats) | |
| Theoretical yield 1 µm per litre of binder | 540-740 m ² /l | |
| Theoretical yield 1 µm per litre of mixing without dilution | 400-450 m ² /l | |

SUBSTRATE AND PREPARATION OF THE SURFACE

| | CLEANING | SANDING | FINAL CLEANING |
|----------------|----------|-----------------|----------------|
| Old paints | DA93 | P360/400 | 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/ SOLV UNIVERSAL 3 |
| >25 | E9005 | SOLV UNIVERSAL 5 | E9005/E9003 | SOLV UNIVERSAL 3 |

| | | | |
|---|--|-----------|------------|
|  | Mixing ratio Disolac+/Binder (in weight) | 20/80 | |
| | Mixing ratio Hardener (in volume) | Pigmented | Clear coat |
| | | 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 | 10-15% | 20"-23" | 2-3 | --- | 1,3-1,5 | 2x30 | 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 | 2h | 2h45'-3h15' |
| 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.

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 (20/80)

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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