

PRODUCT DESCRIPTION AND FINISH

PU2000 is a two component aliphatic acrylic polyurethane of high performance. Specially formulated in order to obtain a high gloss finish, excellent color and gloss retention.

USES

- Original Equipment Manufacturers;
- Trucks and Dump Bodies;
- Machinery;
- Heavy Equipment;
- Agriculture Equipment;
- Trains and Railcars;
- Storage Tanks;

ADVANTAGES

- Very high gloss;
- Excellent flexibility (distortion and on impact);
- Excellent exterior resistance (color retention and lustre);

TECHNICAL DATA

COATING TYPE	Two Component Polyurethane	DRY FILM THICKNESS RECOMMENDED:	2.0 – 3.0 mils (25 – 75 microns)
LUSTRE :	High Gloss (90 + %)	INDUCTION TIME:	Not applicable
COLOR :	Black, tinted bases	THINNER :	ST904 (regular), ST905 (slow)
SOLIDS BY VOLUME :	56 % ± 2 (may vary according to color)	MIXING RATIO:	2 : 1
SOLIDS BY WEIGHT :	68 % ± 2 (may vary according to color)	DRYING PROFILE:	@ 22 °C @ 40 % R.H. @ 6 mils wet
THEORETICAL SPREAD RATE:	897 ft ² /gal. US @1 D.F.T.	CATALYST :	SPC2100 Regular
FLASH POINT:	4 °C (39.2 °F)	POT LIFE	6 hours
VISCOSITY :	68-72 KU (25 °C)	TO RECOAT	2 hours
DENSITY :	1.0 – 1.1 kg/l	TO TOUCH :	1h45
PACKAGING:	3.78 litres (1 gal. US) 18.9 litres (5 gal. US) 205 litres (55 gal. US)	MANIPULATE:	5 hours
V.O.C	< 340 g/l (<2.8 lb/gal. US)	HARD:	24 hours
SHELF LIFE:	12 months @ 25 °C (77 °F)		

*If a second coat is applied after 24 hours, a light sanding is required.

PERFORMANCE

Test	Test Method	Results
Gloss/ color retention	ASTM G154 (2000 hrs)	- gloss retention; 98% from initial value - Color retention: very good to excellent depending on color
Pencil Hardness*	ASTM D3363	2H

MIXING AND DILUTION

PU2000 is a two component product offered in formats of 1 gallon (3.78 l) and 5 gallons (18.9 l). Mix well Part A with a paint stick to insure a homogenous mix.

If using a mixer, minimize mixing time (to avoid the trapping of air particles). Let mixture sit for approximately 1 hour before use.

To the two part polyurethane, add one part catalyst. Mix with a paint stick for 5 minutes until mixture is homogenous. Dilute up to 25% with ST904 (regular solvent) or ST905 (slow solvent). For best results, spraying viscosity should be adjusted between 20-25 seconds Zahn #2.

APPLICATION

PU2000, must be applied by spraying (brush, only on small surfaces);

Conventional Spray:

Fluid nozzle: E fluid tip
Air cap: 765 E tip
Pressure: 45 to 55 lbs

Airless spray:

Pump ratio: 30:1 minimum
Pressure: 900 to 1500 psi
Tip size: 11 to 13 orifices

Air assisted airless

Pump ratio: 20:1 minimum
Fluid pressure: 800 to 1400 psi
Atomizing air: 20 lbs
Tip size: 11 to 13 orifices

All spray equipment must be clean, and free of any moisture or contaminants. Do not apply on damp surfaces or in humid environments.

SAFETY INFORMATION

Refer to the SDS report and product label for further information on norms and safety precautions.

Notice : The following is made in lieu of all warranties, expressed or implied : Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use or the inability to use this product. The information contained in this report is made in good faith and may be modified at any time according to methods of application and environmental conditions.. Consult your representative for further information.