



Polidura Glossy PU Topcoat uses specially selected raw materials, showing excellent weathering and abrasion resistance to aromatic solvents splash, aliphatic and very polluted atmospheres, especially where there gases that f solutions. It is a glossy finish paint, with maximum retention of color and brightness, far superior to conventional poly By having very smooth surface provides ease of cleaning equipment. It is an ecological product, high solids, low volatile organic compounds (low VOC).

**TECHNICAL CHARACTERISTICS**

**TYPE**

Aliphatic acrylic polyurethane topcoat, two pack system.

**USAGE**

Recommended for use over epoxy primer, as in metal structures, industrial equipment and marine equipment. Also recommended as an external lining of tanks and pipes, superstructure and accessories, wind tower painting and system components (steel towers).

**TECHNICAL INFORMATIONS**

<b>COLOR</b>	White	Other colors, please consult.	
<b>FINISH</b>	Glossy		
<b>VOLUME SOLIDS</b>	67% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1.400 ± 0.05 g/ml	According to ASTM D 1475	
<b>VOC</b>	294 g/l		
<b>FLASH POINT</b>	32°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100.0	3.0
	<b>Comp. B</b>	21.0	1.0
<b>POT LIFE (25°C)</b>	4 h		
<b>INDUCTION TIME</b>	15 to 30 min		
<b>THEORETICAL SPREADING RATE</b>	11.2 m <sup>2</sup> /l - 60 µm		
	8.4 m <sup>2</sup> /l - 80 µm		
<b>WET THICKNESS</b>	90 µm to 120 µm		
<b>DRY THICKNESS</b>	60 µm to 80 µm		
<b>DRYING TIME, for 60 µm</b>		25°C	

Minimum Maximum

<b>Touch</b>	4h
<b>Handle</b>	8h
<b>Recoat</b>	8h 30 days

<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 0 to 40°C
	<b>Relative Humidity</b>	Between 30 to 85%
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew po
	<b>Thinner</b>	6097 - PU Thinner

**Brush** Dilute up to 5% (vol.) with recommended thinner

**Roller** Dilute up to 5% (vol.) with recommended thinner used solvent resistant roller (sheep wool). The wo be cutted (small size) to avoid blistering during th application.

**APPLICATION**

**Conventional Spray Gun** Dilute up to 15% (vol.) with recommended thinne  
Conventional DeVilbiss JGA 503 FX 704 spray gun  
Spray pressure between 2.5 to 3.5 kgf/cm<sup>2</sup> (35 to 2  
Tank pressure between 0.5 to 1.5 kgf/cm<sup>2</sup> (7 to 2



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**AirLess Spray Gun**

Dilute up to 15% (vol.) with recommended thinner  
nozzles between 21 to 27 and pump pressure bet  
to 175 kgf/cm<sup>2</sup> (2000 to 2500 psi).

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<b>SURFACE PREPARATION</b>	<b>Over recommended primer</b>	The surface must be dry, free of contaminants such as deposits, oil, grease, fat, dust, etc. Wash it with water, neutral detergents and solvents.
	<b>Recommended Primers</b>	Polidura Epoxy AC Primer and Polidura Epoxy Sealant
	<b>Coated Surfaces</b>	Consult our Technical Department. The surface must be clean and free of contaminants such as oils, fat, grease, etc. Must not present peeling's areas. Proceed light sanding (220) to break the gloss.
	<b>Recommended Topcoat</b>	Not applicable

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<b>SHELF LIFE</b>	18 months
<b>UN NUMBER</b>	<b>1263</b>
<b>HAZARD NUMBER</b>	<b>33</b>

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**IMPORTANT RECOMMENDATIONS**

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1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
  2. The weight/l, viscosity and drying values were obtained in laboratory at a temperature of 25°C. At an altered temperature, the results might be different from the specified ones.
  3. Component B consists of isocyanate, which is reactive with moisture in the air. Therefore, every use of the product, close the container as soon as possible so that does not lose efficiency.
  4. Add the curing agent in component A and mix. After that, mix the components A and B in a mechanical shaker for 5 minutes. Products for immersion is NOT recommended as the pot-life is reduced with additives.
  5. If the recoat interval is exceeded, carry light sanding. For temperatures above the established, the recoat interval is reduced.
  6. Low temperatures increase curing time. For temperatures below 10°C, contact our Consultants.
  7. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
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**SAFETY PRECAUTIONS**

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1. Improper use and handling of this product can be hazardous to health and cause explosion. Do not use it without first taking all appropriate measures to prevent personal damage and injuries.
  2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
  3. Flammable: flammable product, which must be kept distant from ignition sources and not smoke nearby.
  4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
  5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or allow children and animals to be near the application area.
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## HEALTH HAZARDS

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1. Skin contact: wash affected area thoroughly with neutral soap.
2. Clothing contact: remove clothing and wash it.
3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in closed area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust and transfer liquid and solid to separated recipients for disposal.
4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes and seek medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).

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**TDS 78-15**  
**REVIEW: 02/2015**

**Polidura Glossy PU Topcoat**  
**Component A: 6103**  
**Component B: 6199**



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