Polidura Glossy PU Primer-Topcoat

Component A: 6003
Component B: 6099

Polidura Glossy PU Primer-Topcoat uses specially selected raw materials, showing great drying and excellent resistance to weathering. It features excellent adhesion to metal non-ferrous substrates. Can be formulated with organic pigment, free of heavy metals.

TECHNICAL CHARACTERISTICS

TYPE

Aliphatic acrylic polyurethane primer-topcoat, two pack system.

USAGE

Recommended for metal structures, galvanized, aluminum, copper and stainless steel equipment and accessories. Suitable for external lining of tanks and pipes. Ferrous substrates: used over epoxy primer.

TECHNICAL INFORMATIONS			
COLOR	White	Other colors, please consult.	
FINISH	Glossy		
VOLUME SOLIDS	50% ± 2	According to ISO 3233	
WEIGHT PER LITER	1.10 ± 0.05 g/ml	According to ASTM D 1475	
FLASH POINT	23°C		
VOC	478g/l		
MIXING RATIO		Weight	Volume
	Comp. A	100.0	6.2
	Comp. B	15.0	1.0
POT LIFE (25°C)	4 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	16.6 m²/l - 30 µm		
	8.3 m²/l - 60 µm		
WET THICKNESS	60 µm to 120 µm		
DRY THICKNESS	30 µm to 60 µm		
DRYING TIME, for 30 µm		25°C	
		Minimum	Maximum
	Touch		30 min
	Handle		2 h
	Recoat	6 h	
ENVIROMENTAL CONDITIONS	**Temperature**	Should be between 0 to 40°C. At temperatures below 10°C, consult our Technical Department.	
	Relative Humidity	Between 30 to 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	6097 - PU Thinner	
APPLICATION	**Brush**	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Dilute up to 10% (vol.) with recommended thinner. Must be used solvent resistant roller (sheep wool). The wool must be cutted (small size) to avoid blistering during the application.	
	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 FX 704 spray gun or similar. Spray pressure between 2.5 to 3.0 kgf/cm² (35 to 43 psi). Tank pressure between 0.5 to 1.5 kgf/cm² (7 to 21 psi).	
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 9 to 17 and pump pressure between 140 to 211 kgf/cm^2 (1991 to 3001 psi).	

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SURFACE PREPARATION	**Direct over galvanized steel**	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	Recommended Primers	Not applicable. Ferrous substrates: please contact our Technical Department.
SHELF LIFE	12 months	
UN NUMBER	**1263**	
HAZARD NUMBER	**33**	

IMPORTANT RECOMMENDATIONS

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. For temperatures below 10°C, contact our Consultants.

3. Pot life is shortened by higher temperature and by the increase of catalyzed volume.

4. IMPORTANT: When the throttle drying used, should be added in the additive component A and mix. After additives, mixing the components A and B in a mechanical shaker for 5 minutes. WARNING: The pot life is reduced with additives.

5. The acronym IMP indicates organic pigmentation (free of lead chromates and molybdates).

6. All substrates subjected to galvanizing process hot dip (hot dip galvanized) or copper must have the adherence previously tested or carry light sanding or light jet (brush off). Then spend a jet of air to remove dust or make cleaning solvent.

SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property 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 do 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 drink nor allow children and animals to be near the application area.

This technical data sheet is subject to change without notice

HEALTH HAZARDS

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 confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, 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 get medical attention immediately.

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