TDS 78-12
REVIEW: 02/2015

Polidura Epoxy AC Primer-Topcoat

Component A: 4203
Component B: 4299

Polidura Epoxy AC Primer-Topcoat uses specially selected raw materials, showing high physical-chemical resistance and high moisture resistance. The product may be formulated with pigment free of heavy metals.

TECHNICAL CHARACTERISTICS

TYPE

High Durability Polyamide-cured epoxy primer-topcoat, two pack system.

USAGE

Recommended for accessories in general, metal structures, industrial equipment, marine, exterior of tanks and piping. Suitable for Interior of tanks of industrial water or water treatment, salt water, crude oil, dry cargo, etc. Also, it may be used for concrete and masonry floors and walls.

TECHNICAL INFORMATIONS			
COLOR	White	Other colors, please consult.	
FINISH	Semiglossy		
VOLUME SOLIDS	65% ± 2	According to ISO 3233	
WEIGHT PER LITER	1.380 ± 0.05 g/ml	According to ASTM D 1475	
FLASH POINT	32°C		
MIXING RATIO		Weight	Volume
	Comp. A	100.0	5.0
	Comp. B	13.2	1.0
POT LIFE (25°C)	4 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	5.4 m^2/l - 120 µm		
WET THICKNESS	185 µm		
DRY THICKNESS	120 µm		
DRYING TIME, for 120 µm		25°C	
		Minimum	Maximum
	Touch		4h
	Handle		6 h
	Recoat	16h	72 h
ENVIROMENTAL CONDITIONS	**Temperature**	Should be between 5 to 52°C	
	Relative Humidity	Between 30 to 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	4097 - Epoxy 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 15% (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 15% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2.5 to 3.0 kgf/cm² (35 to 43 psi). Tank pressure between 1.5 to 2.5 kgf/cm² (21 to 35 psi).	
	AirLess Spray Gun	Dilute up to 15% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 175 to 210 kgf/cm² (2500 to 3000 psi).	

SURFACE PREPARATION	**Direct over carbon steel**	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc. Wash it with clean water, neutral detergents and solvents. Standard treatment: St 3 (minimum), according to ISO 8501-1. For immersion, standard treatment: Sa 2½ (minimum), according to ISO 8501-1.
	Concrete	It may be applied directly over concrete, if it is clean and free of contaminants, and provided it has been cured for at least 20 days. Abrasive blast or water jet to eliminate chalk, and/or wash it with an acid solution to reduce its alkalinity; let it dry, and apply the product. If concrete is aged, contact our Consultants. For better performance and adhesion to the concrete, it is recommendable to apply one coat of Polidura Epoxy Sealer.
	Recommended Primers	Polidura Epoxy AC Primer. For other primers, please contact our Consultants.
	Coated Surfaces	The surface must be clean and free of contaminants as oils, fat, grease and dust. Must not present peeling's areas. Proceed light sanding (220) to break the gloss.
	Recommended TopCoat	Not applicable

SHELF LIFE	18 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.

3. Low temperatures increase curing time. For temperatures below 10°C, contact our Consultants.

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

5. Formulation free of heavy metals (IMP) may be performed after consult to the Laboratory.

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.

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).