



Polidura Epoxy Sealer uses specially selected raw materials, showing excellent chemical and mechanical resistance. Product with good resistance to weathering, moisture, sweet, industrial and salt water. Besides its low viscosity ensures good grip on porous surfaces and enables receiving PU and Epoxy finishes.

TECHNICAL CHARACTERISTICS

TYPE

Polyamine-curing epoxy varnish sealer, two pack system.

USAGE

Recommended for wood and concrete. Finish for floors and concrete floors, increasing the scratch resistance. Sealer and finish for concrete, plaster and masonry cement asbestos. It can also be used for precast concrete floors and tiles.

TECHNICAL INFORMATIONS

COLOR	Colorless		
FINISH	Glossy		
VOLUME SOLIDS	27% ± 2	According to ISO 3233	
WEIGHT PER LITER	0.960 ± 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	19.6	1.0
POT LIFE (25°C)	8 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	13.5 m ² /l - 20 µm		
WET THICKNESS	74 µm		
DRY THICKNESS	20 µm		
DRYING TIME, for 20 µm		25°C	

		Minimum	Maximum
	Touch		1 h
	Handle		4 h
	Recoat	6 h	

ENVIROMENTAL CONDITIONS	Temperature	Should be between 10 to 40°C
	Relative Humidity	Between 30 to 85%
	Dew Point	Surface temperature is at least 3°C above dew point
	Thinner	4097 - Epoxy Thinner

	Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
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	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.
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APPLICATION

	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 FX 504 spray gun or similar. Spray pressure between 2.5 to 3.0 kgf/cm ² (35 to 43 psi). Tank pressure between 0.5 to 1.5 kgf/cm ² (7 to 21 psi).
	AirLess Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 17 to 21 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).



SURFACE PREPARATION	Wood	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants. Proceed sanding to increase the surface roughness.
	New Concret	Use a solution of muriatic acid at 10% to neutralize it. Then wash it with plenty of water; wait until it dries completely, and apply the product. The surface must be dry, free from any contaminants such as salts , oils, grease, dust , etc.
	Aged Concret	Please contact our Consultants.
	Recommended Primers	Not applicable.
	Recommended Topcoat	Polidura PU Topcoat and Polidura Epoxy Topcoat.

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 the curing time. At temperatures below 10°C, please contact our technical department.
 4. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
 5. Can be used directly as a sealing, diluted to 10% (depending on temperature) as first coat.
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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.
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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).
