

Polidura IMP 873 ESP uses specially selected raw materials, showing excellent leveling properties. This is a high build epoxy topcoat cured with special polyamine (one single coat of 400 µm is applicable), indicated for floors submitted to high abrasion and to chemicals. Also, this is an ecological product, high solids, low volatile organic compounds (low VOC) and free of heavy metal.

## TECHNICAL CHARACTERISTICS

### TYPE

Epoxy topcoat, two pack system.

### USAGE

Recommended for industrial floors, hospitals, canteens, etc.

## TECHNICAL INFORMATIONS

<b>COLOR</b>	Gray	Other colors please consult us.	
<b>FINISH</b>	Glossy		
<b>VOLUME SOLIDS</b>	98% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,600 ± 0,05 g/ml	According to ASTM D 1475	
<b>VOC</b>	18,70 g/l	This value may vary to each color	
<b>FLASH POINT</b>	> 60°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	3,8
	<b>Comp. B</b>	15,0	1,0
<b>POT LIFE (25°C)</b>	1 h		
<b>INDUCTION TIME</b>	5 min (maximum)		
<b>THEORETICAL SPREADING RATE</b>	4,90 m <sup>2</sup> /l - 200 µm 2,45 m <sup>2</sup> /l - 400 µm		
<b>WET THICKNESS</b>	204 µm - 408 µm		
<b>DRY THICKNESS</b>	200 µm - 400 µm		
<b>DRYING TIME, for 200 µm</b>		25°C	

		Minimum	Maximum
	<b>Touch</b>		2 h
	<b>Handle</b>		24 h
	<b>Recoat</b>	24 h	48 h

<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 point
	<b>Thinner</b>	420.0000

<b>APPLICATION</b>	<b>Brush</b>	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.
	<b>Roller</b>	Dilute up to 10% (vol.) with recommended thinner. Must be used a specific for low-density epoxy, or synthetic roller for organic solvents.
	<b>Rake</b>	Used to spread the paint on the floor.



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**SURFACE PREPARATION**

<b>Concrete</b>	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc.
<b>New Concrete</b>	If concrete is new, use a solution of muriatic acid at 10% to neutralize it. Then wash it abundantly with water; let it dry, and apply the product.
<b>Recommended Primers</b>	Revrans SEL 639 – used as sealer on porous floors. In case the floor is too porous, apply one coat of Massa RAS 930. Revrans ECO SEL 997 – as an option of a low odor and solvent-free product.
<b>Coated Surfaces</b>	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.
<b>Recommended TopCoat</b>	Revrans SEL 639 – used as a sealer on porous and as finishing floors, providing greater resistance to physical and chemical agents and facilitating cleaning forklift tire tracks.

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<b>SHELF LIFE</b>	12 months
<b>UN NUMBER</b>	1263
<b>HAZARD NUMBER</b>	33

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**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. For an easier application, dilute only compound A with about 10% in volume with thinner 420.0000; homogenize the mixture for about 5 minutes. Add compound B, and homogenize for another 5 minutes. Then pour the mixture and spread it with a roller.
  4. Low temperatures increase curing time. For temperatures below 10°C, contact our
  5. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
  6. Agitate the product vigorously for complete homogenization, or else the film might not cure evenly. Apply soon after.
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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 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

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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 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).
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