

TDS 0542

REVIEW: 02/2015

Standards: ELETRONUCLEAR XXIIg

Polidura FLV 682

Component A: 682.9300

Component B: 822.0750



Polidura FLV 682 uses specially selected raw materials, showing excellent leveling properties. This is a high build epoxy topcoat, indicated for floors submitted to high abrasion and to chemicals. Also, this is an ecological product, high solids and low volatile organic compounds (low VOC).

TECHNICAL CHARACTERISTICS**TYPE**

Epoxy topcoat, two pack system.

USAGE

As coating for concrete surfaces, such as Industrial, hospital, and restaurant floors, etc.

TECHNICAL INFORMATION

COLOR	Grey	Other colors please consult us.	
FINISH	Glossy		
VOLUME SOLIDS	95% ± 3	According to ISO 3233	
WEIGHT PER LITER	1,400 ± 0,05 g/ml	According to ASTM D 1475	
VOC	18,70 g /l	This value may vary to each color	
FLASH POINT	> 60°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	3,8
	Comp. B	15,0	1,0
POT LIFE (25°C)	1 h		
INDUCTION TIME	5 min (maximum)		
THEORETICAL SPREADING RATE	4,75 m ² /l - 200 µm 2,37 m ² /l - 400 µm		
WET THICKNESS	210 µm to 421 µm		
DRY THICKNESS	200 µm to 400 µm		
DRYING TIME, for 200 µm		25°C	
		Minimum	Maximum
	Touch		2 h
	Handle		24 h
	Recoat	24 h	48 h
ENVIROMENTAL CONDITIONS	Temperature	Should be between 0 to 40°C.	
	Relative Humidity	Between 30 to 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	420.0000	
APPLICATION	Brush	It is not necessary dilution.	
	Roller	Dilute up to 10% (vol.) with recommended thinner. Must be used a specific for low-density epoxy, or synthetic roller for organic solvents.	
	Rake	Dilute up to 10% (vol.) with recommended thinner.	

SURFACE PREPARATION
Concrete

The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc. 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.

Recommended Primers

Revran SEL 639 – used as sealer on porous floors. Small cracks and imperfections corrections should be carried out on the floor with Massa RAS 930. For imperfections and larger diameter cavities, our technical department should be consulted in advance. Revran ECO SEL 997 – as an option of a low odor and solvent-free product.

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

Revran SEL 639 – used as topcoat, to enable the cleaning of marks made by forklift tires, and for being resistant to physical and chemical agents. Revran ECO SEL 997 – as an option of a low odor and solvent-free product.

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.
 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 Component 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 Consultants.
 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 it right after agitation.
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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.

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).
