



Revran ECO SEL 997 uses specially selected raw materials, providing low viscosity, good applicability, high mechanical resistance and chemical resistance (acid and base splashing), good resistance to moisture, sweat, industrial and salt water. Revran ECO SEL 997 is solvent free (NO VOC).

TECHNICAL CHARACTERISTICS

TYPE

Modified epoxy varnish / sealer, two pack system.

USAGE

Recommended for surfaces in tile and concrete. Used as topcoat for wooden flooring and concrete floors, increasing resistance to scratches. As sealer and topcoat for tiles, concrete, masonry plasters, and asbestos cement. Over pre-molded concrete floors and roofing tiles. If it will be used as conventional sealer and varnish, use the product 997.0004. This material is not recommended as adhesion promoter for tiles.

TECHNICAL INFORMATION

COLOR	Orange	Colorless version: 997.0004	
FINISH	Glossy		
VOLUME SOLIDS	98% ± 2	According to NBR 8621 (modified)	
WEIGHT PER LITER	1,000 ± 0,05 g/ml	According to ASTM D 1475	
VOC	No VOC		
FLASH POINT	>100°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	89,0	1,0
POT LIFE (25°C)	30 min		
INDUCTION TIME	Not applicable		
THEORETICAL SPREADING RATE	33,0 m ² /l - 30 µm		
THICKNESS	30 µm		
DRYING TIME, for 30 µm		25°C	
		Minimum	Maximum
	Touch		4 h
	Handle		8 h
	Recoat	8 h	48 h
ENVIRONMENTAL 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	If necessary use 420.0000	
APPLICATION	Brush	This method must be used only for retouch and backing of welding cords and corners.	
	Roller	More coats are necessary for the required thickness. 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/cm ² (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm ² (7 to 21 psi).	
	AirLess Spray Gun	Use nozzles between 17 to 21 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	



SURFACE PREPARATION	Concrete or masonry	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc., and coated with adequate sealer. 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. If concrete is aged, it is advisable to contact our Consultants.
	Wood	Sand it to increase the surface rugosity.
	Tiles	Wash them with neutral detergent, solvent or similar product until complete surface decontamination. Tiles must be completely dry before application.
	Recommended Primers	It can be used directly as sealer. If necessary, dilute 10% of volume with 420.0000.
	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 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. Pot life is shortened by higher temperature and by the increase of catalyzed volume. The size of the recipient for mixing and homogenizing the product is also important. Cool the recipient externally for a longer pot life, if room temperature is above 25°C.
 4. Low temperatures increase curing time. For temperatures below 10°C, contact our Consultants.
 5. Due to errors inherent in any kind of test, is normal to have a variation up to 2% by solids volume.
 6. This product is not recommended as adhesion promoter for tile .
 7. Product applicable on surfaces treated with water jetting under high pressure (Ultrahigh Pressure Water Jetting) being tolerant of residual moisture in the substrate with no stains or puddling of water.
 8. Product with orange hue .
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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).
