Revran ECO NVC 997

Component A: 997.9300
Component B: 897.0900

Revran ECO NVC 997 uses specially selected raw materials, formulating an ecological product, high-solids, free organic solvents (NO VOC), low odor and high flash point for immersed and emerged regions. Accepts solvent or solvent-free epoxy and polyurethane topcoats and It upgrades aged alkyd conventional systems to high performance ones. Product low viscosity and ready for use. For a shorter application process, it may be applied using the wet on wet method, with an interval between coats of about 3 hours at 25°C after touch drying. Revran ECO NVC 997 is applicable in pressure tank and presents Surface tolerant characteristics .

TECHNICAL CHARACTERISTICS

TYPE
Epoxy primer, two pack system.

USAGE
Recommended for carbon steel and concrete (walls), such as broadside, decks, holds, hatchway lids, coamings and bulwark. Also for metal structures, equipment, bridges, exterior of tanks and piping. Suitable for interior of fresh water or seawater tanks, prepared with blast cleaning Sa2 ½ or ultrahigh pressure water jetting. As substitute for tiles on industrial restaurant walls, workshops and hospital walls.

TECHNICAL INFORMATIONS

COLOR	Grey	Other colors, please consult.	
FINISH	Semiglossy		
VOLUME SOLIDS	100% ± 2	According to Conforme NBR 8621 (modified)	
WEIGHT PER LITER	1,400 ± 0,05 g/ml	According to ASTM D 1475	
VOC	No VOC		
FLASH POINT	>100°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	3,0
	Comp. B	25,0	1,0
POT LIFE (25°C)	1 h		
INDUCTION TIME	Not applicable		
THEORETICAL SPREADING RATE	8,0 m²/l - 125 µm		
	5,0 m²/l - 200 µm		
THICKNESS	125 µm to 200 µm		
DRYING TIME, for 125 µm		25°C	
	Handle	18 h	
	Recoat	8h - 72h	
ENVIROMENTAL CONDITIONS	**Temperature**	Should be until 60°C	
	Relative Humidity	No restrictions	
	Dew Point	No restrictions	
	Cleaning Solvent	420.0000, 440.0000, 441.0000, 441,0001, 441.0010	

APPLICATION	**Brush**	Needs more coats to achieve the desired thickness. Using low-density wool for epoxy or synthetic roller for epoxy . It is advisable to pour the ink volume in a shallow tray to extend the life . No application may be held Wet on Wet with this method.
	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. For an extended pot life, pour the product on a flat tray. It can be carried out wet-on- wet application with this method.
	AirLess Spray Gun	Use nozzles between 19 to 23 and pump 45:1 (minimum). The pump pressure should be between 210 to 350 kgf/cm² (3000 to 5000 psi).
SURFACE PREPARATION	**Direct over carbon steel**	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants. Recommended treatment standard ISO8501-1 St3 (minimum) for areas without immersion (atmospheric zone). Treatment recommended standard ISO 8501-1 Sa 2 ½ (minimum) for immersed areas. It is accepted St3 treatment for small areas and repairs painting. Applicable on surfaces treated with water jetting high pressure (Ultrahigh Pressure Water Jetting), and tolerant rust stains (Flash Rusting) and residual moisture in the substrate with no stains or puddling of water.
	Concrete or masonry	The surface must be cured for at least 30 days. Wash it with clean water and remove all contaminants. Apply one coat of Revran SEL 639.
	Recommended Primers	Not applicable.
	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	100% solids or low VOC Revran and Rethane. For other topcoats, please contact our Consultants. For concrete, seal the surface with Revran SEL 639 (639.0001) or Revran ECO SEL 997.

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. The product can be applied to moist substrate.

6. Drying will change if building, temperature and relative humidity are different from those mentioned in the first page. Total hardness for immersion is: 7 days at 25 °C, 10 days at 20 °C and 15 days at 15 °C.

7. The recoat described above is only applicable to epoxy and polyurethane systems, with or without solvents. If interval exceeds, sand the surface mechanically, and wash it with any cleaning solvent, before recoating it.

8. Due to errors inherent in any kind of test, is normal to have a variation up to 2% by solids volume.

9. Application wet on wet refers exclusively to Revran ECO NVC 997. For other products, please contact our Consultants.

10. To facilitate application, the product can be diluted with up to 20% by volume 420.0000 .

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).