

TDS E-267

REVIEW: 03/2015

Standard:

PETROBRAS N-2851

AWWA C210_07

CHESF ET-MN-SMN-004_2013 ^{(*)9}**Revran TF PNA HB 870**

Component A: 870.1858

Component B: 870.1861



Revran TF PNA HB 870 uses specially selected raw materials, showing great resistance to abrasion, moisture and sea water, excellent resistance to steel and mechanical. This is a high build coating and high solids, free from coal tar and low VOC.

TECHNICAL CHARACTERISTICS**TYPE**

Primer/ Topcoat, polyamine cured epoxy. Two pack system.

USAGE

Recommended for floors, sewage treatment, water mains, submerged and buried structures, concrete flooring, piers piles, off-shore structures, etc. Suitable for columns, coamings and offshore structures. Can also be used for internal and external coating of industrial water tanks, seawater, fuel and light and dark oil derivatives.

TECHNICAL INFORMATION

COLOR	Gray, Red Oxide, Brack, Ochre and White		
FINISH	Satin		
VOLUME SOLIDS	80% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,570 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	35°C		
VOC	176 g/l		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	112,0	1,0
POT LIFE (25°C)	4 h		
INDUCTION TIME	15 min		
THEORETICAL SPREADING RATE	5,77 m ² /l para 135 µm 1,95 m ² /l para 400 µm		
WET THICKNESS	173 - 512 µm		
DRY THICKNESS	135 - 400 µm		
DRYING TIME, for 135 µm	25°C		
		Minimum	Maximum
	Touch		1 h
	Handle		5 h
	Recoat	5 h	72 h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 5 to 52°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 to dilute. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Dilute up to 5% (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.	
	Conventional Spray Gun	Dilute up to 5% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm ² (35 to 43 psi). Tank pressure between 1,5 to 2,5 kgf/cm ² (21 to 35 psi).	
	AirLess Spray Gun	Dilute up to 5% (vol.) with recommended thinner. Use nozzles between 19 to 25 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	

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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. Wash it off with fresh water, detergents and solvents. Standard treatment recommended: Sa 2 ½ and St 3 to minor repairs, according to ISO 8501-1.
	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, cleaning, with 220 sandpaper to shine break.
	Recommended TopCoat	Consult our Technical Department.

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 and viscosity values were obtained in laboratory at a temperature of 25°C. At an altered temperature, the results might be different from the specified ones. For temperatures below 10 ° C, please contact our technical department.
3. The pot life decreases with increasing temperature and catalyzed volume.
4. The adhesion system is corresponding to the painted surface treatment was submitted.
5. Low temperatures increase the curing time. At temperatures below 10°C, please contact our technical department.
6. The application roller needs larger number of coats to achieve the thickness desired and uniform coverage.
7. Can be change of color and/or staining in the film when exposed to UV radiation, immersion and/or contact with water. These characteristics do not change their anti-corrosive performance.
8. If the recoating interval is exceeded, proceed light sanding. For above the established temperatures, repainting interval is reduced.
9. Tar Free product according to Standard CHESF ET-MN-SMN-004_2013. The Resistance to Wet Abrasion test does not apply to this product.

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).
