

TDS 0520

REVIEW: 01/2015

Standards: PETROBRÁS N-1585

Revran SPN 520

Component A: 520.0496

Component B: 820.3600



Revran SPN 520 uses specially selected raw materials that provide temporary protection in plates and freshly blasted profiles. Does not interfere with the welding and cutting operations (see recommendations), has good resistance to weathering and abrasion and also easy to use with fast drying and can be repainted with various types of paints.

TECHNICAL CHARACTERISTICS**TYPE**

Epoxy Shop Primer, two pack system.

USAGE

Recommended for temporary protection of plates, blocks ships and industrial structures in carbon steel, after treatment of the surface by abrasive blasting . Suitable for Shot Blast machines.

TECHNICAL INFORMATIONS

COLOR	Red Oxide		
FINISH	Matt		
VOLUME SOLIDS	27% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,200 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	13°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	50,0	1,0
POT LIFE (25°C)	8 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	13,5 m ² /l - 20 µm		
WET THICKNESS	74 µm		
DRY THICKNESS	20 µm		
DRYING TIME, for 20 µm	25°C		
		Minimum	Maximum
	Touch		5 min
	Handle		8 min
	Recoat	6 h	
ENVIROMENTAL 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	421.0000	
APPLICATION	Brush	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Dilute up to 10% (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 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	Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 19 to 25 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 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. Wash it off with fresh water, detergents and solvents. Recommended surface treatment abrasive blasting ISO 8501-1 Sa 2½ (minimum) with blast profile whose height is between 40 and 70 µm.
	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 Primers	Not applicable

SHELF LIFE 6 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. Low temperatures increase the curing time. At temperatures below 10°C, please contact our technical department.
4. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
5. Excess dry thickness favors the occurrence of porosity in the welding.

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).
