

**TDS 0583**

REVIEW: 01/2015

Standards: PETROBRAS N-2630 A

USIMINAS NCU-0253

**Revran PHZ 528**Component A: 528.0412 (Red Oxide), 528.0300 (Grey)  
and 528.0100 (White)

Component B: 825.3600



Revran PHZ 528 uses specially selected raw materials, showing excellent adhesion to blasted steel with good physical and chemical resistance. Ecological product, high solids, low content of volatile organic compounds (low VOC).

**TECHNICAL CHARACTERISTICS****TYPE**

High build epoxy primer, two pack system.

**USAGE**

Recommended for large structures, offshore, external lining of tanks and pipes, various industrial equipment. Deck, side, boottop, superstructure, coamings, hatch covers and accessories in general. As a primer for tank lining for oil products storage.

**TECHNICAL INFORMATION**

<b>COLOR</b>	Red Oxide, Grey and White		
<b>FINISH</b>	Semiglossy		
<b>VOLUME SOLIDS</b>	82% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,450 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	35°C		
<b>VOC</b>	161 g/l		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	1,0
	<b>Comp. B</b>	101,0	1,0
<b>POT LIFE (25°C)</b>	2 h		
<b>INDUCTION TIME</b>	5 a 15 min		
<b>THEORETICAL SPREADING RATE</b>	8,2 m <sup>2</sup> /l - 100 µm 5,5 m <sup>2</sup> /l - 150 µm		
<b>WET THICKNESS</b>	122 to 183 µm		
<b>DRY THICKNESS</b>	100 to 150 µm		
<b>DRYING TIME, for 100 µm</b>	25°C		
		Comp. B: 825.3600	Comp. B: 870.2000
		Minimum	Maximum
	<b>Touch</b>		3 h
	<b>Handle</b>		16 h
	<b>Recoat</b>	16 h	48 h
		8 h	48 h
<b>ENVIRONMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 5 to 52°C	
	<b>Relative Humidity</b>	Between 30 to 85%	
	<b>Dew Point</b>	Surface temperature is at least 3°C above dew point	
	<b>Thinner</b>	420.0000	
<b>APPLICATION</b>	<b>Brush</b>	It is not necessary dilution. This method must be used only for retouch and backing of welding cords and corners.	
	<b>Roller</b>	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.	
	<b>Conventional Spray Gun</b>	Dilute up to 8% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm <sup>2</sup> (35 to 43 psi). Tank pressure between 1,5 to 2,5 kgf/cm <sup>2</sup> (21 a 35 psi).	
	<b>AirLess Spray Gun</b>	Dilute up to 5% (vol.) with recommended thinner. Use nozzles between 21 to 29 and pump pressure between 100 to 140 kgf/cm <sup>2</sup> (2500 to 3000 psi).	

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<b>SURFACE PREPARATION</b>	<b>Direct over carbon steel</b>	Blast cleaning ISO 8501-1 Sa 2 ½ (minimum) recommended. For non-immersion work, allows up application on St- 3 surface treatment, according to ISO 8501-1 .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.
	<b>Coated Surfaces</b>	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.
	<b>Recommended TopCoat</b>	Revran FHS 629, Revran ECO ARQ 998. Others topcoats, please contact 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, 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. For low temperature use Winter Component B: 870.2000.
6. If the recoat interval is exceeded, carry light sanding. For temperatures above the established the recoat interval will be reduced.

**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

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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).

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