

TDS 0532

REVIEW: 04/2015

Standards: PETROBRÁS N-2198 D

Revran PAA 540

Component A: 540.0495 (Red Oxide), 540.0698 (Yellow Oxide)

Component B: 840.0225



Revran PAA 540 uses specially selected raw materials to promote aderenca on metal substrates to promote adhesion to non-ferrous metallic substrates and glass fiber. Product easy to apply with conventional spray. Also meets the standard USIMINAS NCU 0182 and CHESF ET-MN-SMN-017_2013 (540.0495) and 540.0698 meets CESP standard ES -30 (Dec/90).

TECHNICAL CHARACTERISTICS**TYPE**

Isocyanate-cured epoxy primer, two pack system.

USAGE

Recommended as adhesion primer on non -ferrous metallic substrates and glass fiber. Also used as shop primers in plates, profiles and structures in carbon steel.

TECHNICAL INFORMATIONS

COLOR	Red Oxide and Yellow Oxide		
FINISH	Matt		
VOLUME SOLIDS	19% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,020 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	4°C		
VOC	653 g/l		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	15,0
	Comp. B	6,3	1,0
POT LIFE (25°C)	6 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	12,7 m ² /l - 15 µm		
WET THICKNESS	80 µm		
DRY THICKNESS	15 µm		
DRYING TIME, for 15 µm	25°C		

		Minimum	Maximum
	Touch		5 min
	Handle		10 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	441.0000 / 441.0001 (roller)	

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 441.0001 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 441.0000 thinner. Conventional DeVilbiss JGA 502 FX 504 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 441.0000 thinner. Use nozzles between 19 to 25 and pump pressure between 100 to 140 kgf/cm ² (1400 to 2000 psi).

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SURFACE PREPARATION	Aluminum, galvanized steel and glass fibers	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants. If there is a light oxidation in galvanized or aluminum, proceed sanding.
	Direct over carbon steel	Blast cleaning ISO 8501-1 Sa 2 ½ recommended. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	Recommended Primers	Not applicable
	Recommended TopCoat	Rethane FHS 651, Rekomar FBR 600, Revran FBR 620. Others topcoats, please contact our technical department.

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. Component B consists of isocyanate, which is reactive with moisture in the air. Therefore, after every use of the product, close the container as soon as possible, so it does not lose its efficiency.
6. By presenting a very fast drying should dilute the paint with the recommended solvent to improve wetting of the substrate. Otherwise, at temperatures above 25°C, the ink will come "dry" the surface, causing adhesion problems.

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).
