

TDS 0596

REVIEW: 01/2015

Standards: PETROBRÁS N-2678 A

Oxibar DHP 525

Component A: 525.0925

Component B: 828.2678



Oxibar DHP 525 uses specially selected raw materials, showing excellent adhesion to steel, high mechanical resistance and excellent throwing power. It is suitable for aged systems that are still in good condition and its main property: it can be applied over hand and power cleaned surfaces as primer and topcoat simultaneously, where abrasive blasting is impractical. This is a high build and high anticorrosive performance coating, mastic aluminum type. It upgrades conventional systems to high performance ones without being necessary to promote abrasive blasting. Also, this is an ecological product with high solids and low volatile organic compounds (low VOC).

TECHNICAL CHARACTERISTICS**TYPE**

High build epoxy primer / topcoat, two pack system .

USAGE

Recommended as coating for carbon steel surfaces, such as large industrial and marine structures (offshore), exterior of industrial tanks, equipment, piping, etc.

TECHNICAL INFORMATION

COLOR	Aluminum		
FINISH	Semiglossy		
VOLUME SOLIDS	80% ± 3	According to ISO 3233	
WEIGHT PER LITER	1,450 ± 0,05 g/ml	According to ASTM D 1475	
VOC	178 g / l		
FLASH POINT	32°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	1,0
	Comp. B	102,0	1,0
POT LIFE (25°C)	2 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	8,00 m ² /l - 100 µm		
	5,33 m ² /l - 150 µm		
WET THICKNESS	125 to 188 µm		
DRY THICKNESS	100 to 150 µm		
DRYING TIME, for 100 µm		Oxibar DHP 535	
	25°C	Minimum	Maximum
	Touch		3 h
	Handle		16 h
	Recoat	16 h	48 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 dilution. This method must be used only for retouch and backing of welding cords and corners.
	Roller	Dilute up to 15% (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 15% (vol.) with recommended thinner. Conventional DeVilbiss JGA 503 FX 704 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 10% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 175 to 210 kgf/cm ² (2500 to 3000 psi).
SURFACE PREPARATION	Direct over carbon steel	Blast cleaning ISO 8501-1 St 3 (minimum), Sa 2 ½ or SSPC VIS 4 / NACE VIS 7 grade WJ2, being tolerant to flash rusting and to surface residual humidity. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	Recommended Primers	Please contact our Consultants.
	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	Not applicable
SHELF LIFE	12 months	
UN NUMBER	1263	
HAZARD NUMBER	33	
IMPORTANT RECOMMENDATIONS		
<ol style="list-style-type: none"> 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 curing time. For temperatures below 10°C, contact our Consultants. 4. Pot life is shortened by higher temperature and by the increase of catalyzed volume. 5. For upgrading it the paint shall not be thinned, or be thinned up to 5% of volume with thinner 487.0000, or else the one component coat will roughen. Do not thin more than recommended. 6. If the recoat interval exceeds, sand the surface lightly. If temperature is higher than established the recoat drying time will be reduced. 7. Allows application over initial rusting according to Degree M of standard SSPC-VIS 4 / NACE VIS 7. 		



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).
