

Oxibond DHS 907 Aluminum uses specially selected raw materials, showing excellent physical and mechanical resistance, and high retention at the edges. The product can be applied at high build and presents characteristics of surface tolerant. Has a low content of organic solvents (low VOC).

TECHNICAL CHARACTERISTICS

TYPE

Dual function coating modified epoxy resin, two pack system .

USAGE

As coating for large structures, offshore, tanks and piping (exterior and interior), several industrial equipment, mainly at pulp and paper industries. Also it is indicated for decks, broadside, boottop, superstructures, coamings, hatchway lids, accessories in general and equipment exposed to splash zone.

TECHNICAL INFORMATION

COLOR	Aluminum	Other colors, please consult.	
FINISH	Metal		
VOLUME SOLIDS	85% ± 3	According to ISO 3233	
WEIGHT PER LITER	1,400 ± 0,05 g/ml	According to ASTM D 1475	
VOC	110 g/l	This value may vary to each color	
FLASH POINT	35°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	4,0
	Comp. B	17,0	1,0
POT LIFE (25°C)	90 min		
INDUCTION TIME	15 min		
THEORETICAL SPREADING RATE	3,40 m ² /l - 250 µm		
	0,85 m ² /l - 1000 µm		
WET THICKNESS	294 to 1176 µm		
DRY THICKNESS	250 to 1000 µm		
DRYING TIME, for 250 µm		25°C	
		Minimum	Maximum
	Touch		2h
	Handle		6h
	Recoat	6h	72h
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 0 to 40°C.	
	Relative Humidity	Not applicable	
	Dew Point	Not applicable	
	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 20% (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 20% (vol.) with recommended thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 3,0 to 4,0 kgf/cm ² (40 to 60 psi). Tank pressure between 1,5 to 2,5 kgf/cm ² (21 to 35 psi).	
	AirLess Spray Gun	Dilute up to 20% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	



SURFACE PREPARATION	Direct over carbon steel	Recommended ISO 8501-1 St 3 treatment (minimum) for areas without immersion (atmospheric zone) and Sa 2 (minimum) for immersed areas . Accepts St 3 treatment for small areas and repairs painting. Applicable on surfaces treated with water jetting under high pressure (Ultrahigh Pressure Water Jetting), being tolerant to rust spots (Flash Rusting) and residual moisture in the substrate with no stains or puddling of water.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
	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**
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. If recoat interval exceeds, sand the surface lightly. For temperatures above the established, the recoat drying time will be reduced.
 4. Low temperatures increase curing time. For temperatures below 10°C, contact our Consultants.
 5. Due to the bi-component product feature the film after applied may present different aspect (leaded).
 6. Due to the presence of water and/or humidity, ambient with acidic atmosphere or the use of water for acid or base washing, staining can occur on the film.
 7. The maximum applied thickness can only be achieved using airless spray gun. More coats might be needed to achieve the required thickness if other application methods are employed.
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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).
