



Oxibar DFC 707 uses specially selected raw materials, showing high anticorrosive performance, high mechanical resistance and fast drying. This product provides an excellent adhesion to steel (up to 12 mpa) and it may be used as epoxy primer/topcoat. Painting system approved according to ISO 12944. Also, this is an ecological product, high solids and low VOC.

**TECHNICAL CHARACTERISTICS**

**TYPE**

Direct to metal Epoxy coating , two pack system .

**USAGE**

As coating for carbon steel surfaces. It is indicated as primer for large industrial structures and for the exterior of industrial tanks, equipment, piping, eolic towers and correspondent components (steel towers).

**TECHNICAL INFORMATIONS**

<b>COLOR</b>	Gray and Oxide Red	Other colors, please consult.	
<b>FINISH</b>	Semiglossy		
<b>VOLUME SOLIDS</b>	82% ± 3	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,480 ± 0,05 g/ml	According to ASTM D 1475	
<b>VOC</b>	210 g/l		
<b>FLASH POINT</b>	35°C		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	4,0
	<b>Comp. B</b>	15,0	1,0
<b>POT LIFE (25°C)</b>	3 h		
<b>INDUCTION TIME</b>	Not applicable		
<b>THEORETICAL SPREADING RATE</b>	8,20 m <sup>2</sup> /l - 100 µm 4,10 m <sup>2</sup> /l - 200 µm		
<b>WET THICKNESS</b>	121 to 244 µm		
<b>DRY THICKNESS</b>	100 to 200 µm		
<b>DRYING TIME, for 100 µm</b>		25°C	

	Minimum	Maximum
<b>Touch</b>		30 min
<b>Handle</b>		3 h
<b>Recoat</b>	3 h	48 h

<b>ENVIROMENTAL CONDITIONS</b>	<b>Temperature</b>	Should be between 0 to 40°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

**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 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.

**APPLICATION**

**Conventional Spray Gun** Dilute up to 5% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 FX 704 spray gun or similar. Spray pressure between 2,5 a 3,0 kgf/cm<sup>2</sup> (35 to 40 psi). Tank pressure between 1,5 e 2,5 kgf/cm<sup>2</sup> (21 to 35 psi).

**AirLess Spray Gun** Dilute up to 5% (vol.) with recommended thinner. Use nozzles between 19 to 25 and pump pressure between 175 to 210 kgf/cm<sup>2</sup> (2500 to 3000 psi).



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<b>Direct over carbon steel</b>	Blast cleaning ISO 8501-1 St 3 (minimum). If the surface presents corrosion degree C, proceed according to ISO 8501-1, or blast cleaning Sa 2 ½. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
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#### SURFACE PREPARATION

<b>Recommended Primers</b>	Not applicable
<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>	Rethane FLV 653 e Rethane DHG 652.

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**SHELF LIFE** 12 months

**UN NUMBER** 1263

**HAZARD NUMBER** 33

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#### 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 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. The adhesion of the painting system corresponds to the type of preparation the painted surface has been submitted to.
  6. If the recoat interval exceeds, sand the surface lightly. If temperature is higher than established the recoat drying time will be reduced.
  7. Volume solids of 80% + 2 for color aluminum.
  8. Special Component B (870.2206) also available.
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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.
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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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