

TDS 0861

REVIEW: 01/2015

Standards: PETROBRÁS N-2677 A

Rethane FLV 653 Alumínio

Component A: 653.0900

Component B: 853.0600

Component C: 853.0900



Rethane FLV 653 Alumínio uses specially selected raw materials, showing superior color and gloss retention and good chemical resistance. Easy application by conventional spray.

TECHNICAL CHARACTERISTICS**TYPE**

Aliphatic acrylic polyurethane topcoat, completely free of styrene, three pack system.

USAGE

Recommended as topcoat over epoxy primer on plating, deck, superstructure and accessories. Steel structures, industrial equipment, marine and offshore. External coating of tanks and pipes.

TECHNICAL INFORMATIONS

COLOR	Leafing aluminum		
FINISH	Metallic		
VOLUME SOLIDS	52% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,100 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	24°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	4,5
	Comp. B	24,0	1,0
	Comp. C	15,0	0,5
POT LIFE (25°C)	2 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	8,66 m ² /l - 60 µm		
	7,42 m ² /l - 70 µm		
WET THICKNESS	115 to 134 µm		
DRY THICKNESS	60 to 70 µm		
DRYING TIME, for 60 µm	25°C		
		Minimum	Maximum
	Touch		4 h
	Handle		8 h
	Recoat	8 h	48 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	440.0000 / 440.0005	
	Brush	Dilute up to 5% (vol.) with 440.0005 thinner. This method must be used only for retouch and backing of welding cords and corners.	
	Roller	Dilute up to 5% (vol.) with 440.0005 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 10% (vol.) with 440.0000 thinner. Conventional DeVilbiss JGA 502/3 FX 704 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 440.0000 thinner. Use nozzles between 11 to 19 and pump pressure between 140 to 211 kgf/cm ² (2000 to 3000 psi).	

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	Over recommended primer	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
SURFACE PREPARATION	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 Primers	Revran PLB 520, Revran PLB 530, Revran PAA 540, Revran ECO NVC 997, Revran NVC WST 870, Revran PHZ 528. Others primers, 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. Component B consists of isocyanate , which is reactive with moisture in the air. Therefore , every use of the product , close the container as soon as possible so that does not lose its efficiency.
6. Mixture: Homogenize component content A and add about 20% of its volume to component C. Homogenize until it forms a smooth paste, lump-free. Add the remaining component A and homogenize again. After homogenised, add component B with stirring.

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

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).
