

Rethane FQD BR 656 uses in its composition of high quality raw materials, which provide excellent resistance to weathering and abrasion, with excellent color retention and gloss. Ecological product, high solids and low content of volatile organic compounds (low VOC). Differentiated product drying, optimizing the release of equipment, structures and the like, providing significant productivity gains.

## TECHNICAL CHARACTERISTICS

### TYPE

Aliphatic acrylic polyurethane topcoat, two pack system.

### USAGE

Used as a topcoat for steel structures , industrial equipment , marine and offshore . Also recommended as an external coating of tanks and pipes, hull, deck, superstructure and accessories. Composes paint system approved to ISO 12944 .

## TECHNICAL INFORMATION

<b>COLOR</b>	Gray	Other colors, please consult.	
<b>FINISH</b>	Glossy		
<b>VOLUME SOLIDS</b>	65% ± 2	According to ISO 3233	
<b>WEIGHT PER LITER</b>	1,380 ± 0,05 g/ml	According to ASTM D 1475	
<b>FLASH POINT</b>	32°C		
<b>VOC</b>	320 g/l		
<b>MIXING RATIO</b>		Weight	Volume
	<b>Comp. A</b>	100,0	3,0
	<b>Comp. B</b>	26,0	1,0
<b>POT LIFE (25°C)</b>	2 h		
<b>INDUCTION TIME</b>	NA		
<b>THEORETICAL SPREADING RATE</b>	10,80 m <sup>2</sup> /l - 60 µm 8,10 m <sup>2</sup> /l - 80 µm		
<b>WET THICKNESS</b>	92 to 123 µm		
<b>DRY THICKNESS</b>	60 to 80 µm		
<b>DRYING TIME, for 60 µm</b>		25°C	
		Minimum	Maximum
	<b>Touch</b>		30 min.
	<b>Handle</b>		4 h
	<b>Recoat</b>	4 h	7 days
<b>ENVIRONMENTAL 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>	440.0000 or 400.0005	

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<b>APPLICATION</b>	<b>Brush</b>	Dilute up to 5% (vol.) with 440.0000 thinner.
	<b>Roller</b>	Dilute up to 10% (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.
	<b>Conventional Spray Gun</b>	Dilute up to 15% (vol.) with 440.0000 thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 2,5 to 3,5 kgf/cm <sup>2</sup> (35 to 50 psi). Tank pressure between 0,5 to 1,5 kgf/cm <sup>2</sup> (7 to 21 psi).
	<b>AirLess Spray Gun</b>	Dilute up to 15% (vol.) with 440.0000 thinner. Use nozzles between 21 to 27 and pump pressure between 140 to 175 kgf/cm <sup>2</sup> (2000 to 2500 psi).

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<b>SURFACE PREPARATION</b>	<b>Over recommended primer</b>	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	<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 Primers</b>	Oxibar PFC 533, Oxibar DFC 707, Revran DST QD 721 e Revran PBC 528.

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**SHELF LIFE** 18 months

**UN NUMBER** 1263

**HAZARD NUMBER** 33

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#### **IMPORTANT RECOMMENDATIONS**

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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. 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.
4. If the recoat interval is exceeded, carry light sanding . For temperatures above the established, the recoat interval is reduced.
5. Pot life is shortened by higher temperature.



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## SAFETY PRECAUTIONS

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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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