

Rethane FHS 651 uses specially selected raw materials, showing excellent weathering and abrasion resistance, resistance to aromatic solvents splash, aliphatic and very polluted atmospheres, especially where there gases that form acidic solutions. It is a glossy finish paint, with maximum retention of color and brightness, far superior to conventional polyurethanes. By having very smooth surface provides ease of cleaning equipment. Composed paint system approved to ISO 12944. It is an ecological product, high solids, low content of volatile organic compounds (low VOC).

TECHNICAL CHARACTERISTICS

TYPE

Aliphatic acrylic polyurethane topcoat, two pack system.

USAGE

Recommended for use over epoxy primer, as in metal structures, industrial equipment, marine and offshore. Also recommended as an external lining of tanks and pipes, plating, deck, superstructure and accessories, wind tower painting and system components (steel towers).

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.	
FINISH	Glossy		
VOLUME SOLIDS	67% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,400 ± 0,05 g/ml	According to ASTM D 1475	
VOC	294 g / l		
FLASH POINT	32°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	3,0
	Comp. B	21,0	1,0
POT LIFE (25°C)	3 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	11,2 m ² /l - 60 µm		
	8,4 m ² /l - 80 µm		
WET THICKNESS	90 µm to 120 µm		
DRY THICKNESS	60 µm to 80 µm		
DRYING TIME, for 60 µm		25°C	
		Minimum	Maximum
	Touch		4h
	Handle		8 h
	Recoat	8 h	30 days
ENVIRONMENTAL CONDITIONS	Temperature	Should be between 0 to 40°C	
	Relative Humidity	Between 30 to 85%	
	Dew Point	Surface temperature is at least 3°C above dew point	
	Thinner	440.0000 ou 441.0001 (brush and roller)	
	Brush	Dilute up to 10% (vol.) with 441.0001 thinner.	
	Roller	Dilute up to 10% (vol.) with 441.0001 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 15% (vol.) with 441.0000 thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 2,5 to 3,5 kgf/cm ² (35 to 50 psi). Tank pressure between 0,5 to 1,5 kgf/cm ² (7 to 21 psi).	
	AirLess Spray Gun	Dilute up to 15% (vol.) with 441.0000 thinner. Use nozzles between 21 to 27 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).	



SURFACE PREPARATION	Over recommended primer	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust, etc. Wash it with clean water, neutral detergents and solvents.
	Recommended Primers	Oxibar DST 535, Oxibar DAL 535 and Revran PAA 540.
	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. 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. Add the curing agent in component A and mix. After that, mix the components A and B in a mechanical shaker for 5 minutes. Products for immersion is NOT recommended additives. The pot -life is reduced with additives.
 6. If the recoat interval is exceeded, carry light sanding . For temperatures above the established, the recoat interval is reduced.
 7. At temperatures below 10°C, add the curing agent : 870.0001 . Quantity volume : 50ml per set of 3.6 liters or 280ml per set of 20 liters.
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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

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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