

Revrان TCA 537 ARA uses specially selected raw materials, showing excellent abrasion resistance. This product has potable water certification.

TECHNICAL CHARACTERISTICS

TYPE

Polyamine-cured epoxy coating, two pack system.

USAGE

Recommended as coating for drinking water tanks, fresh water, industrial water, sea water, crude oil, dry bulk, food products and etc.

TECHNICAL INFORMATIONS

COLOR	White and Carmine		
FINISH	Matt		
VOLUME SOLIDS	57% ± 2	According to ISO 3233	
WEIGHT PER LITER	1,500 ± 0,05 g/ml	According to ASTM D 1475	
FLASH POINT	24°C		
MIXING RATIO		Weight	Volume
	Comp. A	100,0	5,0
	Comp. B	13,0	1,0
POT LIFE (25°C)	6 h		
INDUCTION TIME	15 to 30 min		
THEORETICAL SPREADING RATE	4,56 m ² /l - 125 µm		
WET THICKNESS	219 µm		
DRY THICKNESS	125 µm		
DRYING TIME, for 125 µm	25°C		

	Minimum	Maximum
Touch		1 h
Handle		6 h
Recoat	18 h	72 h

ENVIROMENTAL CONDITIONS	Temperature	Should be between 10 to 40°C. At temperatures below 10°C, add curing agent 870.0576 . Quantity volume : 40 ml per range of 3.6 liters and 225 ml per set of 20 liters.
	Relative Humidity	Between 30 to 85%
	Dew Point	Surface temperature is at least 3°C above dew point
	Thinner	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 10% (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 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 502 EX 67 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm² (35 to 43 psi). Tank pressure between 0,5 to 1,5 kgf/cm² (7 to 21 psi). For optimal performance of the paint system it is recommended to 3 coats of 100 microns each, totaling 300 microns minimum.

AirLess Spray Gun Dilute up to 10% (vol.) with recommended thinner. Use nozzles between 23 to 29 and pump pressure between 140 to 175 kgf/cm² (2000 to 2500 psi).



SURFACE PREPARATION	Direct over metal surface	Blast cleaning ISO 8501-1 Sa 2 ½ recommended. The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants.
	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 TCQ 539. Other primers, please contact our technical department.
	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 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. Add the curing agent in component B and mix. After that, mixing 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. For internal coating tanks forced ventilation should be used to facilitate evaporation of the solvents.
 7. Only White and Carmine colors are suitable for contact with food and / or drinking water.
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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).
