

Rekosil FIT 680 (Tipo II) uses specially selected raw materials, developed to indicate superheated areas on external surfaces, resulting from isolation failures or from failures in the refractory system. A perceptible change in color indicates where exactly there has been superheating.

TECHNICAL CHARACTERISTICS

TYPE

One component silicone topcoat.

USAGE

As coating for reactors, pressure vessels, heaters, distillation towers, etc.

TECHNICAL INFORMATION

COLOR	Blue	
FINISH	Matt	
VOLUME SOLIDS	47% ± 2	According to ISO 3233
WEIGHT PER LITER	1,200 ± 0,05 g/ml	According to ASTM D 1475
FLASH POINT	32°C	
THEORETICAL SPREADING RATE	15,7 m ² /l - 30 µm	
WET THICKNESS	64 µm	
DRY THICKNESS	30 µm	
DRYING TIME, for 30 µm		25°C
		Minimum Maximum
	Touch	30 min
	Handle	1h a 150°C (see recommendations)
	Recoat	16 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	499.0000
	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.
APPLICATION	Conventional Spray Gun	Dilute up to 10% (vol.) with recommended thinner. Conventional DeVilbiss JGA 503 FX 704 spray gun or similar. Spray pressure between 2,5 to 3,0 kgf/cm ² (35 to 42 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 recommended thinner. Use nozzles between 13 to 21 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).



SURFACE PREPARATION	Direct over carbon steel	The surface must be dry, free of contaminants such as salt deposits, oil, grease, fat, dust and other kind of contaminants, and coated with adequate primer.
	Recommended Primers	Rezinc SIL 590 (590.0398) and Rezinc EPD 597 (597.0939). For other primers, please contact our Consultants.
	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 10 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. A perceptible change in color indicates where exactly there has been superheating. The deep blue color is maintained up to 180°C. With temperatures between 200 and 230°C, it changes to greeny blue in 36 to 60 hours. At 260°C it turns into a light color in some hours, and becomes white within 24 hours.
4. If the color fades in superheated zones, repair the isolation; remove the paint with steel brush or abrasive blast the surface, and apply a new coat.
5. If recoat service is performed at high temperature, the paint shall be sufficiently diluted for a proper application.
6. The paint dries fast (touch and hard), but is maximum hardening only occurs when exposed at a temperature of 150°C for 1 hour.

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.



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).
