

Rekosil PMT 580 uses specially selected raw materials, showing excellent heat resistance. It is a product easy to apply and thermal curing.

TECHNICAL CHARACTERISTICS

TYPE

One component modified silicon primer.

USAGE

Recommended as coat for equipment and piping whose temperature reaches 200°C continuous or 300°C peak, where it requires great aesthetic effect, provided you use the appropriate finish. Suitable for vessels, chimneys, steam pipes, boilers, etc. (sheltered areas).

TECHNICAL INFORMATION

COLOR	Red Oxide	Other colors, please consult.
FINISH	Semiglossy	
VOLUME SOLIDS	51% ± 2	According to ISO 3233
WEIGHT PER LITER	1,300 ± 0,05 g/ml	According to ASTM D 1475
FLASH POINT	32°C	
THEORETICAL SPREADING RATE	17,0 m ² /l - 30 µm	
WET THICKNESS	59 µm	
DRY THICKNESS	30 µm	
DRYING TIME, for 30 µm		25°C
		Minimum Maximum
	Touch	30 min
	Handle	1 h (see recommendation 2)
	Recoat	24 h
ENVIROMENTAL 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	499.0000
APPLICATION	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 FX 7044 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 recommended thinner. Use nozzles between 21 to 27 and pump pressure between 140 to 175 kgf/cm ² (2000 to 2500 psi).
SURFACE PREPARATION	Direct over carbon steel	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.
	Recommended Primers	Not applicable
	Recommended TopCoat	Rekosil FMT 680. Others topcoatings, 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. Not recommended for equipment operating in the range of 80° to 150°C.
4. The ink dries quickly (and hard and touch), but the maximum hardness is obtained only when exposed to 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).
