

Rekosil FIT 680 (Type I) 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 INFORMATIONS

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| COLOR | Green | |
| FINISH | Matt | |
| VOLUME SOLIDS | 48% ± 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 | 16,0 m ² /l - 30 µm | |
| WET THICKNESS | 63 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 | 24 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). |



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| 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. Up to 260°C – the color deep green is maintained; Up to 290°C – it fades after 3 weeks; Up to 315°C – perceptible color alteration after 18 hours; At 400°C – it turns into a light color in 3 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).
