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# HIGH PERFORMANCE ZINC RICH SILICONE

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## Parsitherm 7044

### DESCRIPTION

\* One component heat resistant zinc silicone coating based on pure heavy duty silicone resins and zinc dust pigment .It is air drying at ambient temperature and resist heat up to 410 °C / 770 °F ( near to zinc melting point) .

### USES

- \* As a primer at high temperature bearing surfaces .
- \* As a primer for pure Al.silicone top coats .
- \* As repairing coat for zinc rich ethyl silicate welded area & aged .

### FEATURES

- \* High temperature resistance up to 410°C .
- \* Resistant to atmospheric corrosion.
- \* Resistant to thermal shock .
- \* Applying in 35 - 45 mic single coat is enough and strongly requested not to be applied thicker.

### TECHNICAL DATA

<b>Finish</b>	Flat
<b>Colour</b>	Gray
<b>Specific gravity ( at 20 C )</b>	2.5 ± 0.05 ( gr/cc )
<b>Volume solid</b>	56 ± 2 %
<b>Recommended DFT</b>	35 - 45 ( mic ) <sup>1</sup>
<b>Heat resistance : continuous</b>	400° C
<b>Flash point</b>	35° C
<b>Shelf life ( at 20° C )</b>	12 months
<b>Package</b>	10 Liters (25Kg) , others on request

<sup>1</sup> See note B

### SURFACE PREPARATION

- 1 - As new primer : remove any oil , dirt , moisture and blast up to SA 2½.
- 2 - As repair : First remove any oil , dirt and moisture then sweep blast to get roughness and remove mill scales .

### RECOMMENDED PAINT SYSTEMS

P : 7044 <sup>2</sup>	35 - 45	micron
T : 7092CC (optional)	20 - 25	micron

<sup>2</sup> As repair It should not be applied thicker than 20-25 microns .

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### APPLICATION DATA

Method Air / Airless spray , Brush (just for inaccessible area or touch up)  
Thinner / Cleaner T - 710 **Package : 25 kg**

- Different thinner with different suffix maybe offered in hot and cold seasons.

#### Theoretical Coverage :

Dry film thickness (mic)	35	40	45
Coverage ( m <sup>2</sup> / lit )	16	14	12.44
Coverage ( m <sup>2</sup> / kg )	6.4	5.60	4.98

- Touch dry ( 20 mic , 20 °C ) 1 hr
- Tack dry ( 20 mic , 20 °C ) 6 hrs

- **Fully cured can be reached after being in the service at the specified temperature .**

### APPLICATION INSTRUCTIONS

- \* Check all equipments are dust, oil and moisture free. If needed , flush with cleaner thinner.
- \* It is recommended to use the paint with the temperature above 10°C, otherwise more thinner would be required to reach the application viscosity. Too much thinner may results in sagging, low thickness . In cold seasons it is recommended to keep the paint at a warmed up storage at least 3 days before use.
- \* Stir the paint well by a power mixer to a homogenous state . Keep stirring during of application .
- \* Thin the paint with defined thinner depend on required thickness & application viscosity then mix it again.
- \* Apply the paint not more than allowed thickness range .

#### The given data could be adjusted by applicator in practical situation by his own actual trial.

	Pressure (atm)	Orifice	Tip Range	Thinner (vol%)
Air spray	3 - 4	1.3 - 3 mm		5 - 10
Air less	5 - 7	19 - 23 mic	219 -323	5
Brush / Roller	Suitable for small areas only .			

### SURFACE TEMPERATURE

Must be at least 3°C above dew point, apply the coats when surface temperature is from 10°C to 40°C. Please contact Parsifam if the substrate temperature is lower or higher.

### SAFETY

- ▲ Due to high flammability , keep away the paints from heat , sparks and flames.
- ▲ Avoid contact the paints with eyes and skin.
- ▲ Use mask and gloves and provide good ventilation for the reasons of health and safety.
- ▲ Apply suitable ventilation to maintain enough fresh air.

**REMARKS :** The information submitted in this data sheet is based on our best current knowledge and experience. The ultimate performance of this coating is quite related to performance of surface preparation, application procedure and conditions that limits our liability to the figures of submitted technical and application data .