
HEAT RESISTANCE MODIFIED ACRYLIC ALUMINUM SILICONE

(Based on IPS-M-TP168)

Parsitherm 7093B

DESCRIPTION

- * One component heat resistance coating, based on modified silicone - acrylic resin and flaked aluminum pigment for hot surfaces up to 250 °C (482 ° F) .
- It meets performance and technical requirements of IPS-M-TP168 .

USES

- * Stacks , exhausts and ducts .
- * Furnaces & kilns and chimneys.
- * High temperature bearing surfaces .
- * As a top coat for zinc rich ethyl silicate .

FEATURES

- * Heat resistance up to 250 °C (482 ° F) .
- * Resistance to thermal shock .
- * Resistance to weathering and corrosion if applied on ethyl silicate primer .
- * Easy to handle due to tack drying in room temperature.
- * It is not recommended to apply more than 25 microns.

TECHNICAL DATA

Finish	Egg shell
Colour	Silver (~ RAL 9006)
Specific gravity (at 20 C)	1.08 ± 0.05 (gr/cc)
Volume solid	37 ± 2 %
Recommended DFT	20 - 25 (mic) ¹
Heat resistance	250 °C
Flash point	35 °C
Shelf life (at 20° C)	12 months
Package	20 Liters, others on request
¹ See note B	

SURFACE PREPARATION

- 1 - As a single coat should be blast up to SA 2¹/₂.
- 2 - As a top coat for zinc rich ethyl silicate , please remove any zinc salt , dust, grease moisture and other contaminations .

RECOMMENDED PAINT SYSTEMS

P : 7411 ² (optional)	60 - 80	micron
T : 7093B ³	20 - 25	micron

- ² See note J when selecting or using zinc ethyl silicate .
To ensure fully cured stage of ethyl silicate primer before recoating by 7093B . It is better to have a solvent rubbing test with MEK .

- ³ It is recommended not to apply more than 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 : 15 kg**

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

Theoretical Coverage :

Dry film thickness (mic)	20	22	25
Coverage (m ² / lit)	18.5	16.82	14.8
Coverage (m ² / kg)	17.13	15.57	13.70

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 in the specified temperature .**

Adhesion (on 25 mic after curing in service) : 5B

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 15°C, otherwise more thinner would be required to reach the application viscosity. Too much thinner may results in sagging, low thickness and poor hiding. 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 stick mixture before use.
- * 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		40 - 50
Air less	5 - 7	19 - 23 mic	219 -323	25 - 35
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 .