
HEAT RESISTANT MODIFIED SILICONE

Parsitherm 7033

DESCRIPTION

* One component heat resistant coating based on acrylic silicone resins and synthetic iron oxides for up to 250°C external surfaces.

USES

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

FEATURES

- * Good colour retention .
- * Heat resistance up to 250°C (480° F) .
- * Resistant to thermal shock .
- * Resistant to weathering and corrosion with suitable primer.

TECHNICAL DATA

Finish	Flat
Colour	Red Oxide
Specific gravity (at 20 C)	1.24 ± 0.05 (gr/cc)
Volume solid	37 ± 2 %
Recommended DFT	20 - 25 (mic) ¹
Heat resistance : continuous	200° C
non - continuous	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 2½.
- 2 - As a topcoat 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 : 7033 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 7033 . It is better to have a solvent rubbing test with MEK .

³ 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 : 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)	14.92	13.56	11.94

Touch dry (20 mic , 25 °C) 1 hr
Tack dry (20 mic , 25 °C) 8 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 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 .