

# SILVER POLYURETHANE TOP COAT

## Parsithane 6599C

### DESCRIPTION

\* Two component acrylic polyurethane finish coat formulated with high quality acrylic polyols and aliphatic poly isocyanate hardeners which is reinforced by high quality aluminum flakes. It meets technical and required at SSPC paint 36 and it'd counter type in IPS-M-TP 235.

### USES

\* It is used as top coat in different anticorrosive paint systems which are using in moderate to severe environments, industrial and chemical zones and as well as coastal & offshore steel structures .  
\* As a top coat layer in multi-layer anti-corrosive paint systems for atmospheric application such as ISO 12944-5, IPS , TOTAL , POGC & SPGC systems.

### FEATURES

\* Good hardness .  
\* Excellent gloss & colour retention .  
\* Excellent light fastness .  
\* Excellent weather resistance .  
\* Excellent resistance in chemical environments .  
\* Good resistance to weak acids and alkalis .  
\* Long term durability .

### TECHNICAL DATA

<b>Finish</b>	Eggshell
<b>Colour</b>	Silver <sup>1</sup>
<b>Specific gravity ( at 20 °C , Mix )</b>	1.04 ± 0.05 ( gr/cc )
<b>Volume solid</b>	41 ± 2 %
<b>Recommended DFT</b>	50 - 100 ( mic )
<b>Flash point</b>	35 °C
<b>Shelf life ( at 20 °C )</b>	12 months
<b>Package</b>	20 liters, others on request

<sup>1</sup> Paints pigmented with aluminum may have different appearance and color impression depending on applied DFT , selected application method and even the experience of painter. See note C

### SURFACE PREPARATION

1 - Remove any oil , dirt , dust & moisture from last coat .

### RECOMMENDED PAINT SYSTEMS

P : 7411 <sup>2</sup> , 4424 (all series) , 4433	<b>OR</b>	60 - 80	micron
4142 IT, 4143 (all series)		70 - 100	micron
I : 4211( all series) , 4204 (all series) 4205ZP, 4212		100 - 200	micron
T : 6599C		50 - 80	micron

<sup>2</sup> See note J when selecting or using zinc ethyl silicate .  
7411 needs 4252 as tie-coat or a thin mist coat of intermediate layer before applying main specified thickness of intermediate.

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### APPLICATION DATA

	Air / Airless spray , Brush (just for touch up)
Thinner / Cleaner	T - 608
Mixing ratio by weight	100 : 20 <b>Base : 15 Kg + Hardener : 3 Kg</b>
Pot life ( at 20 °C )	6 hrs

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

#### Theoretical Coverage :

Dry film thickness (mic)	50	70	80
Coverage ( m <sup>2</sup> / lit )	8.20	5.86	5.13
Coverage ( m <sup>2</sup> / kg )	7.88	5.63	4.93

Touch dry ( 50 mic , 20 °C )	1 hr
Fully Cured ( 50 mic , 20 °C )	7 days

- At higher dry film thickness, lower temperature and poor ventilation drying time will be longer.
- Application in closed area results in long touch & tack drying time and therefore longer minimum intervals. So sufficient air draft is required for maintaining normal application condition.

#### Recoating interval :

Surface temperature	10°C	20°C	30°C
Min. Interval ( hrs )	48	30	24
Max. Interval ( days )	7	5	3

### 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 forced mixer before use and add the entire hardener to it and mix it again up to get a homogenous mixture.
- \* Thin the paint with defined thinner depend on required thickness & application viscosity.

#### 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 - 25
Air less	6 - 7	19 - 23 mic	219 -323	5 - 10
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 consult 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 suitable ventilation for the reasons of health and safety.

**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 .