

SPECIAL POLYURETHANE TOP COAT

Parsithane 6390A1

DESCRIPTION

* Hi-performance acrylic polyurethane top coat formulated with a selected professional acrylic polyols, high grade UV resistance pigments and aliphatic poly isocyanate hardeners to meet weather and immersion resistance required in open top ponds and thickeners

USES

* It is recommended as a versatile finish coat on anti-corrosive paint systems which are serving in harsh situations such as slurry thickeners and waste water ponds even when moderate acidic or alkaline electrolyte and slurries are in process
* 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 when superior performance is a need

FEATURES

* Excellent immersion resistance in electrolytes and slurries
* Outstanding resistance in marine atmosphere.
* High hardness .
* Excellent gloss & colour retention .
* Excellent light fastness .
* Excellent weather resistance .
* Excellent resistance in wet and dry cycles
* Good resistance to weak acids and alkalis .
* Long term durability .

TECHNICAL DATA

Finish	Semi - Gloss
Colour	Colours (Dark Red ,Gray, Yellow)
Specific gravity (at 20 °C , Mix)	1.4 ± 0.05 (gr/cc)
Volume solid	60 ± 2 %
Recommended DFT / coat	50 - 150 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

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

RECOMMENDED PAINT SYSTEMS

a) Atmospheric only

P: 4424 (series) , 4424 (series) , 7411 ² (+ 4252)	60 - 80+ (25-35)	microns
I: 4757B, 4757M, 4205ZP, 4212, 4211(series), 4223AN	100 - 200	microns
T: 6390A1	50 - 100	microns

² See note J when selecting or using zinc ethyl silicate .

b) Cycles of atmospheric and immersion in concrete and metal ponds and thickeners

Concrete :	200 - 300	microns
P: 4601(series)	200 - 300	microns
Metal :	60 - 80	microns
P: 4424 (series) , 7411 ² (+ 4252)	optional 60 - 80	microns
I: 4757B, 4757M, 4223AN, 4231(series)	(2 or 3) * (100 - 200)	microns
T: 6390A1	100 - 150	micons

In this type of use, it is a critical must to observe minimum interval time of application or apply earlier

³ All grades with different suffixes

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APPLICATION DATA

Method	Air / Airless spray , Brush (just for inaccessible area or touch up)		
Thinner / Cleaner	T - 608		
Mixing ratio by weight	100 : 17.95	Base : 19.5 Kg + Hardener : 3.5 Kg	
Pot life (at 20 °C)	4 hrs		

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

Theoretical Coverage :

Dry film thickness (mic)	50	100	150
Coverage (m ² / lit)	12	6	4
Coverage (m ² / kg)	8.57	4.28	2.88

Touch dry (50 mic , 20 °C)	2 hrs
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	40°C
Min. Interval (hrs)	48	16	10	8
Max. Interval (days)	2	5	3	1

- The maximum recoating times are for reaching the maximum chemically intercoat adhesion, but it is possible to reach a reasonable adhesion even up to one month. **In case of concrete ponds, it is a critical demand to recoat as soon as possible in earliest minimum interval time. See note E**

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 .