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# EPOXY PHENOLIC MIO COATING FOR WATER & WASTE WATER SYSTEM

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## Parsiphen 4757M

### DESCRIPTION

\* High performance protective epoxy Novalac phenolic coating reinforced with lamellar MIO pigments to be used in tank and pond lining of water and waste water plants to cope harsh environments specially in immersion services. It is suitable for slop pond lining when various organic and inorganic material are presented.

### USES

\* Excellent epoxy phenolic for water , waste water and slop concrete ponds.  
\* Excellent intermediate and top coat for epoxy phenolic paint systems on concrete for harsh external environments.

### FEATURES FEATURES

\* Reinforced with lamellar MIO pigments  
\* Excellent diffusion resistance  
\* Outstanding immersion resistance  
\* Good chemical resistance  
\* Yellowing in sun light is due but no performance defect  
\* Very high solid

### TECHNICAL DATA

<b>Finish</b>	Flat
<b>Colour</b>	Dark Red / Dark Grey
<b>Specific gravity ( at 20 °C , Mix )</b>	1.60± 0.05 ( gr/cc )
<b>Volume solid</b>	92 ± 2 %
<b>Recommended DFT / coat</b>	250 - 375 ( mic )
<b>Flash point</b>	110 °C
<b>Shelf life ( at 20 °C )</b>	12 months
<b>Package</b>	20 Liters, others on request

### SURFACE PREPARATION

1 - Remove any oil , grease , dirt , dust & moisture from previous layer.  
2 - Blast up to SA 2½ at least

### RECOMMENDED PAINT SYSTEMS

P : 4601A , 4601B	200 - 300	micron
I : 4757M	2 × (125 -200 )	micron
T1 : 4757M	2 × (125 -200 )	micron
T2 : 6390A	100 - 200	micron

(optional if you need resistance to yellowing of the sunlight)

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### APPLICATION DATA

Method	Air / Airless spray , Brush (just for inaccessible area or touch up)		
Thinner / Cleaner	T - 404		
Mixing ratio by weight	100 : 17.93	<b>Base : 21.2 Kg + Hardener : 3.8 kg = 25 kg</b>	
Pot life ( at 20 °C )	1 hr		

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

#### Theoretical Coverage :

Dry film thickness (mic)	250	300	375
Coverage ( m <sup>2</sup> / lit )	3.68	3.07	2.45
Coverage ( m <sup>2</sup> / kg )	2.30	1.92	1.53

Touch dry ( 300 mic , 20 °C )	14 hrs
Fully Cured ( 300 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 : Pay high attention to recoating interval schedules of previous layer

Surface temperature	10°C	20°C	30°C	45°C
Min. Interval ( hrs )	36	24	14	10
Max. Interval ( days )	7	6	4	1

- For getting the maximum intercoat adhesion ,it is highly recommended to meet recoating interval times strictly. **See note G**
- For longer recoating interval ,consult Parsifam for more information .

### 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.
- \* Stirring the material in low speed during painting is necessary . **See note H**

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

	Pump Ratio	Orifice	Tip Range	Thinner (vol%)
Air less	> 45 :1 preferably 68:1	> 0.53 (mm)	> 553	Max. 2 %

### 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 .