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# HI-PERFORMANCE ALKYD MIO INTERMEDIATE

(Based on IPS - M - TP130 )

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## Parsialkyd 2921B

### DESCRIPTION

\* Hi-performance, high build and Hi-solid air drying anticorrosive intermediate based on selected modified alkyd resins and micaceous iron oxide (MIOX) .

### USES

- \* For use as a Hi-build corrosion barrier intermediate in multi-layers alkyd coating systems in mild to moderate environments .
- \* The top coat should be an alkyd based or low polar solvent content binders .
- \* It is offered as intermediate coat for paint system No.1A to 1F of table 2 in IPS-TP-100.
- \* It can perfectly serve painting systems based on IPS-M-TP130.

### FEATURES

- \* Rich of high lamellar MIOX pigment .
- \* High imbrications of pigment flakes .
- \* High barrier effect .
- \* Excellent applicability .
- \* Improved long term overcoating due to Mix .
- \* Easily high DFT achievement .

### TECHNICAL DATA

|  |                                      |
|--|--------------------------------------|
| <b>Finish</b>                              | Flat                                 |
| <b>Color</b>                               | Grey                                 |
| <b>Specific gravity ( at 20 °C , Mix )</b> | 1.65 ± 0.05 ( gr/cc )                |
| <b>Volume solid</b>                        | 60 ± 2 %                             |
| <b>Recommended DFT</b>                     | 50 - 100 ( mic ) , <b>See note B</b> |
| <b>Flash point</b>                         | 35 °C                                |
| <b>Shelf life ( at 20 °C )</b>             | 12 months                            |
| <b>Package</b>                             | 20 Liters, others on request         |

### SURFACE PREPARATION

\* Remove any dirt, dust, oil and moisture from primed surface.

### RECOMMENDED PAINT SYSTEMS

|                                 |           |         |        |
|---------------------------------|-----------|---------|--------|
| P : 2911R                       | <b>OR</b> | 50 -100 | micron |
| P : 4143 ( all series) , 4142IT |           | 50 - 70 | micron |
| I : <b>2921 B</b>               |           | 50 -100 | micron |
| T : 2932, 2993P                 |           | 50 -100 | micron |



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### APPLICATION DATA

Method Air / Airless spray , Brush (just for inaccessible area or touch up)  
Thinner / Cleaner T - 212 **package : 25 kg**

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

#### Theoretical Coverage :

|                                   |      |      |      |
|-----------------------------------|------|------|------|
| Dry film thickness (mic)          | 50   | 75   | 100  |
| Coverage ( m <sup>2</sup> / lit ) | 12   | 8.00 | 6.00 |
| Coverage ( m <sup>2</sup> / kg )  | 7.27 | 4.85 | 3.63 |

Touch dry ( 70 mic , 20 °C ) 1 hr

Tack dry ( 70 mic , 20 °C ) 24 hrs

- 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 ) | 30       | 24       | 20       |
| Max. Interval         | Extended | Extended | Extended |

- Extended : **See note E**
- The minimum required time for testing air drying alkyd paint is 10 -14 days in 20 °C.

### 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.

#### 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      | 4 - 6                           | 1.5 - 3 mm  |           | 15 - 25        |
| Air less       | 5 - 7                           | 19 - 23 mic | 219 - 323 | 5 - 15         |
| 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 & 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 experiences. The ultimate performance of this coating is quite related to quality of surface preparation, application procedure and conditions and even storage conditions that limit our liability to the submitted figures in technical and application data .