
HIGH PERFORMANCE MIOX RICH EPOXY INTERMEDIATE

(Based on IPS-M-TP220)

Parsiguard 4212C

DESCRIPTION

- * High performance intermediate epoxy which is hi-build and including high amount of MIOX. It provides almost all technical requirements for a true barrier layer in protective coating systems.
- * It is formulated with selected epoxy resins and professional polyaminoamide hardeners.
- * It meets IPS-M-TP220 but its anti-corrosive character is much and much higher than the same.

USES

- * It is an ideal intermediate in high performance protective anti-corrosive paint systems which is intended to have a very high barrier effect and resistance in extreme aggressive environments including critical and severe conditions in industrial, chemical and marine zones.

FEATURES

- * Excellent adhesion to most primer including zinc rich epoxy , zinc ethyl silicate and other zinc compounds primers .
- * Extreme imbrications of pigment flakes .
- * High lamellar pigments content .
- * Excellent diffusion resistance to corrosive compounds .
- * Good resistance to diluted inorganic acids & bases .
- * Long term recoatability improvement .
- * Easy application for a single and high thickness coat .

TECHNICAL DATA

Finish	Flat
Colour	Greenish Gray, metallic sheen
Specific gravity (at 20 °C , Mix)	1.83 ± 0.05 (gr/cc)
Volume solid	57 ± 2 %
Recommended DFT	100 - 200 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1 - The primed or previous layer should be quite free of any oil, grease, dirt , dust and moisture . Zinc primer should be free from any zinc salts .
- 2 - Pay attention to maximum recoating interval of previous layer .

RECOMMENDED PAINT SYSTEMS

P : 7411 ² (+ 4252) , 4424 (all series), 4433	60 - 80	micron
OR 4142 IT, 4143 (all series)	70 - 100	micron
I : 4212C	100 - 200	micron
T : 6591(all series) , 4392, 3391, 2932	50 - 80	micron

- ² See note J when selecting or using zinc ethyl silicate .
7411 needs 4252 as tie-coat .

Attention : For any type of use, the filter in the airless spray must be removed

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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 : 12	Base : 25 Kg + Hardener : 3 Kg	
Pot life (at 20 °C)	8 hrs		

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

Theoretical Coverage :

Dry film thickness (mic)	100	150	200
Coverage (m ² / lit)	5.70	3.80	2.85
Coverage (m ² / kg)	3.11	2.08	1.58

Touch dry (100 mic , 20 °C)	1 hr
Fully Cured (100 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)	16	10	8
Max. Interval (days)	7	6	5

- The maximum recoating times are for reaching the maximum chemically intercoat adhesion, but it is possible to reach a reasonable adhesion even up to few months . **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.
- * 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.

	Pressure (atm)	Orifice	Tip Range	Thinner (vol%)
Air spray	3 - 4	1.3 - 3 mm		5 - 20
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 .