
HS EPOXY POLYAMIDE INTERMEDIATE FOR LONG TERM RECOATING

Parsiguard 4201A2

DESCRIPTION

* 2K high build high solid epoxy intermediate coating formulated with selected epoxy resins and special polyaminoamide hardeners . It has good adhesion to the top coat even after a long time with no deficiency in compare to regular one .
This version typically and sufficiently meets resistances and performances required in SSPC Paint No. 22 equivalent to **IPS- M -TP 220** but due to higher volume solid and lower VOC, it consumes less and is more environmentally friendly.

USES

* As an intermediate epoxy layer in multi layer anti-corrosive paint systems such as ISO 12944-5, IPS , TOTAL , POGC & SPGC for atmospheric application if an extended recoating interval time is required.

FEATURES

- * Excellent adhesion to most primers and top coats.
- * Excellent weather resistant .
- * Good barrier property ..
- * High solid, high coverage .
- * High build .
- * Thick layer in one coat is achievable.

TECHNICAL DATA

Finish	Flat
Colour	White, Gray (RAL 7035) & other colour ¹
Specific gravity (at 20 °C , Mix)	1.50 ± 0.05 (gr/cc)
Volume solid	64 ± 2 %
Recommended DFT	100 - 200 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

¹ Technical data and codes might be changed in colored paints.

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 , 4424 (all series), 4433	60 - 80	micron
OR 4142 IT, 4143 (all series)	70 - 100	micron
I : 4201A2	100 - 200	micron
T : 6591(all series) , 6592 (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 or a thin mist coat of 4201A1 before applying main thickness of intermediate.

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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 : 14.28	Base : 21 + Hardener : 3	
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)	100	150	200
Coverage (m ² / lit)	6.40	4.27	3.20
Coverage (m ² / kg)	4.27	2.85	2.13

Touch dry (100 mic , 20 °C)	6 hrs
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	8	6
Max. Interval (days)	Extended	Extended	Extended

- 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.

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 .