
HYGIENIC HI-BUILD EPOXY FOR POTABLE WATER

(Certified by NRI for Internal of Potable Water Tank , Based on IPS-M-TP202)

Parsihealth 4771W1

DESCRIPTION

* Hi-build, Hi-solid, Hi-performance, heavy duty epoxy coating with selected nontoxic material to serve as certified coating for potable water tank lining. It meets performance and technical requirements of IPS-M-TP 202 .

USES

* First choice as a durable coating for internal lining of potable water reservoirs.
* Suitable internal lining for fat free food stuff tanks.

FEATURES

* Long pot life .
* High crosslink ability .
* Excellent osmosis resistance .
* Excellent immersion barrier .
* Excellent water resistance.
* Low VOC .
* High thickness achievement .
* Excellent atmospheric intermediate .
* Certified by NRI (Niroo Research Institute).

TECHNICAL DATA

Finish	Flat
Colour	Grey , Red Brown
Specific gravity (at 20 °C , Mix)	2.00 ± 0.05 (gr/cc)
Volume solid	62± 2 %
Recommended DFT	300 - 400 (mic)
Flash point	35 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

1 - Blast up to SA 2½ .
2 - Remove any oil , dirt , dust & moisture from primed surface .

RECOMMENDED PAINT SYSTEMS

P ¹ : 4424, 7411 ² , 4192F (recommended)	70 - 80	micron
P & I & T : 4771W1	2 or 3 × (125 -150)	micron
T : 4771W5 (optional) ³		12 micron

¹ Using an anticorrosive zinc rich primer increases the life time of paint system and no zinc ion bleeds from paint system into water.

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

³ if white colour is required, 4771W5 could be used as top coat layer

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APPLICATION DATA

Method	Air / Airless spray , Brush (just for inaccessible area or touch up)		
Cleaner	T - 404		
Mixing ratio by weight	100 : 13	Base : 25 kg + Hardener : 3.25 kg	
Pot life (at 20 °C)	6 hrs		

Theoretical Coverage :

Dry film thickness (mic)	300	400	450
Coverage (m ² / lit)	2.07	1.55	1.38
Coverage (m ² / kg)	1.03	0.78	0.69

Touch dry (150 mic , 20 °C) 2 hrs

Fully Cured (150 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)	36	24	20
Max. Interval (days)	7	5	4

- It is highly recommended to meet recoating interval times strictly . **See note G**
- * 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**

APPLICATION INSTRUCTIONS

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		2 - 10
Air less	6 - 7	19 - 23 mic	219 -323	2 - 5
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 .

