
SOLVENT FREE EPOXY FOR CONCRETE PILES

Parsizone 4749C1

DESCRIPTION

- * Two component modified epoxy coating designed to serve long term protection of concretes which are used in sea water including the tidal zone or very close to it.
- * It can continue to cure under sea water or sweet water to reach to maximum strength.

USES

- * Splash zone area of jetties, piles, ...
- * Under and above splash zone area in offshore installations.
- * Damp surfaces.
- * By itself as a one or multi layer paint system for severe and harsh atmospheric conditions.
- * As primer or intermediate in heavy duty atmospheric paint systems for concrete

FEATURES

- * High adhesion to damp concrete
- * Curing under water
- * Excellent immersion resistance in sea water
- * Like all epoxies discoloration & chalking will be occurred in exposure to sunlight.

TECHNICAL DATA

Finish	Gloss
Color	Gray , Red Brown
Specific gravity (at 20 °C , Mix)	1.55 ± 0.05 (gr/cc)
Volume solid	100 %
Recommended DFT	500 - 1500 (mic)
Flash point	> 100 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

- 1- Blast up to SA2½ with 50 - 75 microns roughness.
- 2- Remove any oil, accumulated dirt, dust and soluble salts from surface.

RECOMMENDED PAINT SYSTEMS

- 1) **By itself for concrete in different conditions including splash zone**
4749C1 1 or 3 × (300-500) micron
- 2) **As part of a paint system**
P : 4601(series) 300 micron
I : 4749C1 1 or 2 × (300-400) micron
T : 6591 (series) 50 - 100 micron



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APPLICATION DATA

Method	Air / Airless spray , Brush (just for inaccessible area or touch up)		
Thinner / Cleaner ²	T-404		
Mixing ratio by weight	100 : 14.4	Base : 20.9 kg + Hardener : 2.1 kg	
Pot life (at 20 °C)	1 hr		

Theoretical Coverage :

Dry film thickness (mic)	500	1000	1500
Coverage (m ² / lit)	2.00	1.00	0.67
Coverage (m ² / kg)	1.29	0.65	0.43

Touch dry (200 mic , 20 °C)	12 hrs
Fully Cured (200 mic , 20 °C)	7 days

- At higher dry film thickness, lower temperature and poor ventilation drying time will be longer.

Recoating interval :

Surface temperature	10°C	20°C	30°C
Min. Interval (hrs)	24	10	6
Max. Interval (days)	14	7	5

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

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 in cold seasons to reach the application viscosity 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.

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	23 - 45 (mic)	323 - 445 , 545	Max. 1 %
Brush / Roller	only for inaccessible areas			

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 .