SOLVENT FREE GLASS FLAKE EPOXY

(Approved for Requirements of NORSOK M-501)

Parsiglass 4517B

DESCRIPTION

* Solventfree epoxy coating reinforced by glass flake for lining of crude oil, oil derivatives, sea water , process water and ballast tanks in industrial, chemical & marine zones .

USES

* Anticorrosive thick coat for crude oil & oil derivatives storage tanks .
* High performance lining for sea water reservoirs .
* Ideal lining for process water and brine tanks.

FEATURES

* Glass flake reinforced .
* Good chemical resistance .
* Excellent osmosis resistance .
* Abrasion resistant .
* Usable for both steel and concrete tanks .
* Meets NORSOK M501 standard
* A minimum 60 micron roughness is needed for a good adhesion .
* Yellowing due to exposure to sunlight makes no performance deficiency.
* High cathodic disbondment resistance .
* Achieving very high thicknesses up to 1000 mic in one coat .

TECHNICAL DATA

Finish	Gloss
Colour	Cream (becomes beige)
Specific gravity (at 20 °C , Mix)	1.40 ± 0.05 (gr/cc)
Volume solid	100 %
Recommended DFT	500 - 1000 (mic)
Flash point	110 °C
Shelf life (at 20 °C)	6 months
Package	20 Liters, others on request

SURFACE PREPARATION

1 - Remove any oil , grease, rust , dust & moisture by suitable methods . Salts and other soluble materials shall be removed by high pressure fresh water prior to blasting .

2 - Blast up to SA 2½ with a minimum 60 micron roughness .

3- Surface should be carefully cleaned from abrasive and dust after blasting .

RECOMMENDED PAINT SYSTEMS

P : 4424 , 4192 , 4143X2 [1]	(optional) **or**	60 - 80	micron
HP : 4255 (Holding Prime) [2]	(optional)	20 - 40	micron
I & T : 4517B		2 x (250 - 500)	micron

[1] & [2] Using primer or holding primer under solvent free or high solid glass flake epoxy is recommended when the internal area of tank is large and there is long time gap between surface preparation and paint application .

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APPLICATION DATA

Method	Airless spray , Brush (just for inaccessible area or touch up)	
Cleaner	T - 404	
Mixing ratio by weight	100 : 31.25	**Base : 16 kg + Hardener : 5 kg**
Pot life (at 20 °C)	1 hr	

Theoretical Coverage :

Dry film thickness (mic)	500	1000	1500
Coverage (m² / lit)	2.00	1.00	0.67
Coverage (m² / kg)	1.43	0.71	0.48

Touch dry	(500 mic , 20 °C)	24 hrs
Fully Cured	(500 mic , 20 °C)	7 days

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

Recoating interval :

Surface temperature	10°C	20°C	30°C
Min. Interval (hrs)	72	36	24
Max. Interval (days)	7	5	4

- 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 .