
THREE COMPONENT AGGREGATED EPOXY COATING FOR SPLASH ZONE

Parsitide 4748

DESCRIPTION

* Three component high thickness epoxy coating for cladding of tidal and splash zone structures and bodies that exist in the sea such as jetties, piles, risers, pipes and offshore facilities.

It continues to cure after immersing in sea water and reach to maximum strength.

It is applied by a special pump , and coarse aggregates do not allow the use of a conventional airless sprayer.

USES

* Maintenance and repair of offshore structures piles, risers, jetties, docs in the splash zone or submerged area.

* In yard fabrication coating of marine and offshore structures and jetties in splash zone and submerged area in the sea.

FEATURES

* Continue to cure under sea water.

* High thickness up to 5mm per coat.

* Resistant to abrasion and impacts.

* High performance and long life.

TECHNICAL DATA

Finish	Flat
Colour	Gray
Specific gravity (at 20 °C , Mix)	1.85 ± 0.05 (gr/cc)
Volume solid	100 %
Recommended DFT	3 - 6 (mm)
Flash point	>103 °C
Shelf life (at 20 °C)	12 months
Package	20 Liters, others on request

SURFACE PREPARATION

1- Blast up to SA2½ with at least 100 microns roughness.

It can be applied at low degree surface preparation, but the lower degree, the lower performance. **See Note A**

RECOMMENDED PAINT SYSTEMS

Parsitide 4748 3 - 6 mm

It is applied by special gun like Carrousel pump which are used for slurry type mixtures. Pay attention to application instructions for special guides.

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APPLICATION DATA

Method	Special gun	
Cleaner	T-404	
Mixing ratio by weight	100 : 50 : 375	Base : Hardener : Aggregate
Packing (kg)	4 + 2 +15	Base : Hardener : Aggregate
Pot life (at 20 °C)	1 hr	

Theoretical Coverage :

Dry film thickness (mm)	3	5	6
Coverage (m ² / lit)	0.33	0.2	0.17
Coverage (m ² / kg)	0.18	0.11	0.09

It reaches to touch up after 3 hours, but it can be immersed in sea water after 30 minutes of application when surface temperature and ambient temperature are above 25°C. It continues to cure under sea water and will reach to hard state.

Touch dry (3-4 mm , 25 C°) : 3 hrs

APPLICATION INSTRUCTIONS

It is applied by a Carrousel pump type gun. This kind of device has a hopper, which is used to feed mixture to the compressed air flow. Suitable surface and ambient temperature range are 20° to 35°C. Below 20°C, mixing of ingredients is difficult and above 35°C working time is decreased a lot. Take the aggregate bag out of the container then pour base and hardener to empty container respectively. Mix them for 30 seconds, add aggregate to it and mix again for one minute to get a homogenous mixture. Don't mix more because the temperature goes up and working time is decreased.

If there is a slack time between two applications, make a short mixing before any new run.

Apply the material in parallel and even passes with 50% overlap to avoid holidays and pinholes.

Cross spray at right angels to first passes until specified thickness is achieved.

When applying Parsitide 4748 at shop with thickness target of 5 to 6 mm, and surface temperature is more than 25°C, it maybe required to apply two coats considering interval between them.

Minimum recoating interval is about 10 hours at 25°C and the second coat must be applied maximum 24 hours after first coat.

SURFACE TEMPERATURE

Must be at least 3°C above dew point, apply the coats when surface temperature is possibly at least 10 °C and not more than 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 .