

ABAZONE-290

SOLVENT FREE TWO COMPONENTS EPOXY OFFSHORE SPLASHZONE COATING

DESCRIPTION

ABAZONE-290 is a two components, solvent free, high solids, modified epoxy coat designed to give long term protection in a single coat application for offshore splash zone application. It will continue to cure when immersed in water and due to epoxy modification, it is suitable to use in exterior area.

FIELD OF APPLICATION

- Offshore splash zone concrete maintenance
- Offshore splash zone structure of docks

CHARACTERISTICS/ADVANTAGES

- Excellent adhesion to wet and dry substrates
- UV resistance
- Ability to cure under water
- Excellent resistance to chloride and seawater
- Good weathering resistance
- Easy to apply
- Solvent-free

SURFACE PREPARATION

Concrete

All surfaces should be clean, dry and free from curing compounds, release agents, troweling compounds, standing water, grease, oil, dirt, bitumen coatings and loose or disintegrating concrete. All poured and precast concrete must also have blasted, wire brushed or acid etched to remove laitance.

Surface preparation shall not take place in following conditions:

- At temperature below 5 °C.
- When the surface temperature is less than 3 °C above the dew point.

APPLICATION

Material is supplied in two containers as a unit. Always mix a complete unit in the proportion supplied. Once the unit has been mixed it must be used within the working Pot life specified.

1-Agitate Part A and B separately with a power agitator.

2-Combine entire contents of curing agent (part B) with base (part A) and mix thoroughly with power agitator.



موسسه استاندارد و تحقیقات صنعتی ایران
تاییدیه صلاحیت آزمایشگاه همکار



مرکز ملی تایید صلاحیت ایران
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3-Mix thoroughly for at least three minutes, scraping the container bottom and side to assure complete mixing. There is no induction or waiting time required after mixing before application.

ABAZONE-290 coating can be applied using good quality rollers or short haired brushes or by airless spray. It is recommended that ABAZONE-290 coating be applied in two coats to ensure complete coverage. Prior to the application of each coat the surface should be examined for signs of pin-holing, etc. Where pin-holing is evident these should be filled using ABADUR MP repair system.

If the over-coating is delayed more than the drying time table, the previous coat must be thoroughly abraded to give an adequate mechanical key and solvent wiped. In hot climate, material temperature should be 20 to 25 °C prior to mixing; otherwise pot life becomes very short. Do not thin for any reason.

TECHNICAL PROPERTIES

Color	Light grey
Mixing Ratio	3:1 (by weight)
Density (A+B)	Approx. 1.4 g/cm ³
Volume solid	100%
Coverage	0.4-0.8kg/m ² /coat, two coats are recommended
Typical dry film thickness	250-500 microns
Number of coats	Two
Application method	Roller, brush or airless spray
Substrate	Concrete
Flash point	80°C
Cleaner	T-200

Drying Time

Temperature	Touch dry	Over-coating		Full cure
		Min	Max	
15°C	9 hrs	32 hrs	3 days	13 days
25°C	6 hrs	24 hrs	2 days	7 days
40°C	4 hrs	18 hrs	1 days	4 days

Pot Life

Material temperature	15°C	25°C	40°C
Pot life	70 min	45 min	20 min



STORAGE

Shelf life: 12 months in unopened original package.

Storage condition: should be protected from frost, direct sunlight and moisture. Keep in the temperature range between +10°C and +30°C.

Packing: Pre-batched Part A: 10.5 kg & Part B: 3.5 kg units, 14 kg at Total.

HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available on request) containing physical, ecological, toxicological and other safety-related data.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation



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