

BCI Epoxy 4500 S

PRODUCT DESCRIPTION:-

BC Epoxy 4500 S is 100% solids, flake-filled, premium epoxy coating designed for internal steel and concrete tanks and pipe lining. Suitable for sheet piling, H and pipe pilings in marine immersion and splash zones.

DESIGN FEATURES:

High impact resistance
Superior adhesion to steel and concrete
High resistance broad range of chemicals
VOC Compliant
Passes severe waste water analysis tests

TYPICAL USE AREAS:

Water tanks and waste water clarifiers
Splash zone areas
Spill Containment Areas
Light Manufacturing

PHYSICAL CHARACTERISTICS:

Sl.no	Property	Test standard	Product values
1	Solids by Volume	ASTM 2697	100%
2	Density	ASTM D1475	1.45 kgs/ Lit
3	Pot life	BCI -TM	40-45 Mins
4	DFT (Microns)	BCI -TM	500-1000 Microns
5	Coverage	Measured	1-2 Sqm /Kg

COLORS:

White and Light grey colours

SURFACE PREPARATION:

Sl.no	Substrate	Minimum	Recommended
1	Coated surfaces and Concrete	Clean dry and undamaged compatible coatings as per SSPC SP13 and NACE NO 6/	Clean dry and undamaged compatible coatings as per SSPC SP13 and NACE NO 6

Laitance deposits are best removed by planetary rotary disc grinder or captive blasting followed by vacuum cleaning to remove old debris, dust before application of penetrating sealer.



APPLICATION METHOD:

This product can be applied by single component airless spray to get a dry film thickness of 500 to 1000 μ depending on end service requirements.

APPLICATION CONDITIONS:

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80% as measured in accordance with BS 8203 Appendix

CURING SCHEDULE:

Sl.no	Surface temperature	Tack free	Hard Dring
1	Ambient temperature (32.C)	5-6 Hours	8-12 Hours

PRODUCT MIXING RATIO:

Kit Size
BCI Epoxy 4500 S Part A - 4 Parts
BCI Epoxy 4500S Part - B - 1 Part

PACKING SIZE:

20 Kgs

Part -A: 16 Kgs

Part- B: 4 Kgs

5 Kgs

Part -A 4 Kgs

Part -B 1 Kgs



SAFETY PRECAUTION:

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapor or spray mist.

This product is flammable. Keep away from sources of ignition. Do not smoke. Take Precautionary measures against static discharge. In case of fire, blanket flames with foam, carbon Dioxide or dry chemicals.

FIRST AID:

Eyes:

In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin:

Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

Inhalation:

Remove to fresh air, loosen collar and keep patient rested.

Ingestion:

In case of accidental ingestion, Do Not Induce Vomiting.
Obtain immediate medical attention.

For further safety information, please refer to our Safety Data Sheet (SDS)

STORAGE INFORMATION:

Storage: Store in a cool dry shaded area.

SHELF LIFE At 25 °c: 12 months minimum when stored as prescribed in the SDS.

