

BC-PRIME WB AS

A WATER DISPERSED ESD EPOXY RESIN PRIMER

DESCRIPTION:

BC-Prime WB AS is a two-component solvent free water dispersed conductive primer base on epoxy resin and polyamide hardener.

PRODUCT FEATURE:

Ideal use for wall, floor joint less sealing, seamless and provide conductive properties primer. AS a primer for BC-GARD SLAS, BC-Crete MF AS, BC-DECK UV AS.

BENEFITS:

- Extremely good adhesion on concrete surfaces and most substrate.
- Less sensitive and tolerant with moisture when during application.
- Environmentally friendly, zero VOC
- Solvent free, odor less.
- Easy to apply.
- Extremely conductive properties.

COLOURS:

- Black



TECHNICAL DATA

Density (28°C) g/ml (mixed)	1.2g/ml ± 0.05
Viscosity (28°C) (mixed)	4000 ± 200 cps
Solid Content (mixed)	67±2
Application Thickness D.F.T.	150µ±20µ
Number of Coats	1 or 2
Bond strength	>2.0 Mpa (Concrete failure)
Cleaner	Water
Complied ESD Standard	ANSI/ESD S-20.20-2007
Mixing Ratio by Weight	Part A : Part B 4.2 : 0.8
Pot life (working time) 28°C	30min
Packing Size	5kg
Shelf life & storage (unopened and in good conditions temperature 5°C to 30°C)	12months
Recoating time(28°C) :	within 14 to 18 hours
Material consumption (Diluted with water 10% by weight)	0.12 kg/m ²
Estimated coverage at 100µ/coat	8m ² /kg

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ESD Floor Main Checking Criteria & Spec :

CONDUCTIVE

Surface to Ground (Earth) Rg Spec (BS-2050)	$1E\sim9E+2\Omega \sim 1E\sim9E+4 \Omega$ ($1\cdot9 \times 10^2 \text{ ohm} \sim 9 \times 10^4 \text{ ohm}$)
Surface to Surface (Earth) Rs Spec (BS-2050)	$1E\sim9E+2\Omega \sim 1E\sim9E+4 \Omega$ ($1\cdot9 \times 10^2 \text{ ohm} \sim 9 \times 10^4 \text{ ohm}$)

DISSIPATIVE

Surface to Ground (Earth) Rg Spec (BS-2050)	$1E\sim9E+5\Omega \sim 1E\sim9E+6 \Omega$ ($1\cdot9 \times 10^5 \text{ ohm} \sim 9 \times 10^6 \text{ ohm}$)
Surface to Surface (Earth) Rs Spec (BS-2050)	$1E\sim9E+5\Omega \sim 1E\sim9E+6 \Omega$ ($1\cdot9 \times 10^5 \text{ ohm} \sim 9 \times 10^6 \text{ ohm}$)

SUBSTRATE REQUIREMENT & PREPARATION :

- Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm² (concrete failure)
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Crack and hollows should be properly remedied.
- Rough contaminations and high spots can be removed by grinding.
- The substrate should be clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product.

MIXING :

Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 watt high power mixer), then add all of Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous, then slowly add 5% of clean water while mixing continues for a further one minute 30seconds until a fully homogenous mix has been achieved.

APPLICATION :

- Apply BC-Prime WB AS Black Primer can be use by

THINNING :

Up to 5% of clean water to help better penetration and workability.

CLEANING OF TOOLS :

Clean all tools and application equipment with water immediately after use.

Maintenance and care after cure :

We recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

Further Information :

Warning and precautions information relating to the safe handling of this product should be found in Material Safety Data Sheet. To be advise to put on suitable clothing and eye-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.

Important Note :

Best Crete products are warranty against defective materials. Due to different substrate and working conditions, no guarantee of an application result or any liability claims. The users are required to have a test ahead based on their intended use.