

# BC-GARD WB EPU CLEAR

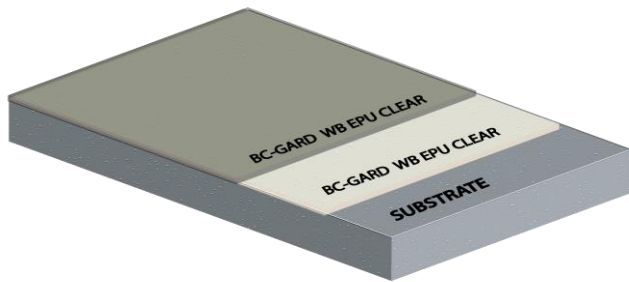
## A HYBRID NANO WATERBASED EPOXY PU SEALERS

### DESCRIPTION:

BC-GARD EPU WB EPU CLEAR is an environment friendly two component water based nano hybrid epoxy PU sealers for use as primer and finishing.

### PRODUCT FEATURE:

Provides excellent adhesion and gives superior durability to most substrates. It also exhibits outstanding wear and chemical resistance properties. BC-GARD WB EPU CLEAR is highly recommended as dust proofing coating application area includes electronic, car parks, food, pharmaceutical, chemical production and process areas. It also can be applied as a protective clear coat on old painted substrates to restore the original look.



### BENEFITS:

- Low VOC, Low Odour, user friendly
- Extremely hard wearing
- Non-yellowing
- Excellent chemical resistance
- Excellent adhesion
- Environmentally and user friendly, low voc, solvent free, odorless.
- Less sensitive and tolerant with moisture when during application

### COLORS:

- Clear

### FINISHED:

- Gloss, Satin, Matt



### TECHNICAL DATA

Number of Coats	2 or 3
Cleaner	Water
Recoating time(30°C) :	within 10 hours
Bond strength	>1.5 Mpa ( Concrete failure )
Density ( 28°C ) g/ml (mixed)	1.05± 0.02g/ml
ASTM D 4060 -10 Taber Abraser	31mg
Wear Index in mg/1000 revolutions/1kg	
Mixing Ratio by Weight	Part A : Part B
Gloss & Satin	3 : 2
Matt	4 : 1
Pot life (working time) 30°C	60min
Packing Size	5kg
Shelf life & storage (unopened and in good conditions temperature 5°C to 30°C)	12months
Estimated coverage	0.08kg@m <sup>2</sup>
Light Traffic	18hrs at 28°C
Fully cure	7days at 28°C

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### SUBSTRATE REQUIREMENT & PREPARATION:

- Substrate concrete or screed should be a minimum of compressive strength 25N/mm<sup>2</sup> and adhesive pull-off strength of minimum 1.5N/mm<sup>2</sup> ( concrete failure )
- Concrete substrates must be prepared mechanically using diamond Grinding 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 maximum 15% 20% of clean water while mixing continues for a further one minute 30seconds until a fully homogenous mix has been achieved.

### APPLICATION :

Apply BC-GARD WB EPU Clear within its pot life, which is approximately 60 minutes depending on the room temperature.

### THINNING :

Up to 30%±5% of clean water 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 product 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.