

# BC-GARD WB OGS

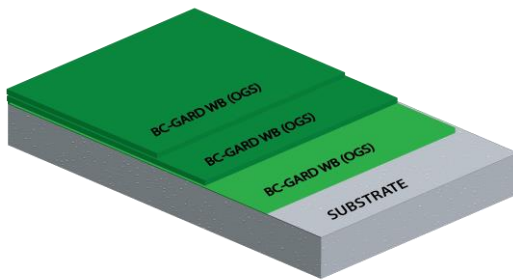
## A NON OUT GASSING WATER-BASED EPOXY MASONRY SUBSTRATE COATING

### DESCRIPTION:

BC-Gard WB OGS is non out gassing colored, water dispersed ready to use two component of epoxy coating.

### PRODUCT FEATURE:

Ideal for use as wall, floor and steel surface coating, for protection of surfaces against dusting, rusty, non-porous, joint less sealing that are permeable to water vapor. These coatings are easily cleaned and highly resistant to fuels and lubricants as well as most solvents and many chemicals. Proven material for food industrial, assembly plant, pharmaceutical, warehouses, car parks, clean room environment and light industrial area where is hygiene.



### BENEFITS:

- Can be primer and top coated.
- Less sensitive and tolerant with moisture when during application.
- Environmentally friendly, zero VOC, solvent free, odorless.
- Extremely good adhesion on concrete surfaces and most substrate.
- Complied with BS 6920 requirement.

### COLORS:

- RAL K5 Classic color chart available
- Satin finish

### TECHNICAL DATA

Density ( 28°C ) g/ml (mixed)	1.45g/ml ± 0.05
Viscosity (28°C) (mixed)	3500±500cps
Solid Content (mixed)	±78%
Application Thickness D.F.T. Per Coat	±200µ
Number of Coats	2 or 3
Bond strength	>1.5 Mpa ( Concrete failure )
Abrasion resistance (wear cycles 1000 revolutions)	Loss 5mg
Cleaner	Water
ASTM E96/E96M-10	0.79±
Water Vapour Transmission, g/h.m <sup>2</sup>	
ASTM D 4060 -10 Taber Abraser	31mg
Wear Index in mg/100 revolutions/1kg	
Mixing Ratio by Weight	Part A : Part B 4 : 1
Pot life (working time) 28°C	30min
Packing Size	5kg & 20kg
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	0.17 kg/m <sup>2</sup>
Estimated coverage at 150µ/coat	5.5m <sup>2</sup> /kg
BS 6920 : Part 1:2000 Dissolved Oxygen difference (MDOD),mg/L	<2.39 or less
Temperature Range	5°C – 80°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 5% -10% 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 OGS can be use by suitable roller, brush or spray.
- BC-Gard WB OGS should apply within the pot life 30 minutes at 28°C
- Substrate temperature should not apply below 10°C and temperature above 45°C.

### THINNING :

Up to 5% - 10% of clean water help better penetration and workability.

### CLEANING OF TOOLS:

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

### CHEMICAL RESISTANT:

CHEMICAL	CONCENTRATION	TEMP (°C)	RESISTANCE
Acetic Acid	5%	28°C	Excellent
Beer	-	28°C	Excellent
Blood	-	28°C	Excellent
Citric Acid	5%	28°C	Excellent
Detergents-acidic	All	28°C	Excellent
Detergents-alkaline	All	28°C	Excellent
Fats-animals and vegetable	-	28°C	Excellent
Fish oils	-	28°C	Excellent
Lactic Acid	5%	28°C	Excellent
Oil – diesel	-	28°C	Excellent
Oil –Fuel	-	28°C	Excellent
Oil-Mineral	-	28°C	Excellent
Sugar	100%	28°C	Excellent
Sodium hydroxide	20%	28°C	Excellent
Sodium Sulphate	20%	28°C	Excellent

\*Contact Technical Department for further information

### 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.