

BC-GARD SB

A TWO COMPONENT EPOXY SOLVENT BASED, COATING.

DESCRIPTION:

BC-GARD SB is colored, ready to use, solvent based two-component based on high quality Epoxy resin and polyamide hardener.

PRODUCT FEATURE:

BC-GARD SB is used as colored for wide range of concrete and steel surfaces. Use on structural steel, piping. Areas of use are light duty industrial areas, warehouse, garages, car park decks, refineries and other industrial plants sector where chemical resistance are required.

BENEFITS:

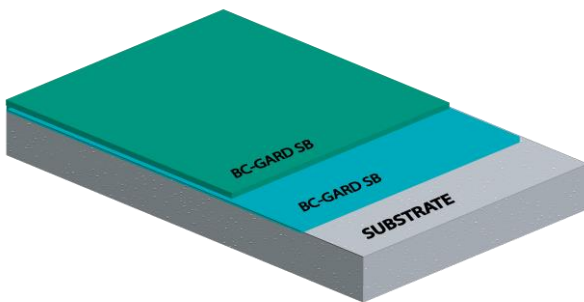
- Can be primer and top coated (indoor)
- Excellent resistance to abrasion, chemical and corrosion.
- Easy to apply and low maintenance.
- Excellent adhesion on most surfaces.
- Hygienic –easy to clean dust free to surface.

COLORS:

- RAL Color chart K5 Classic available

FINISHING:

- Satin



TECHNICAL DATA

Density (28°C) g/ml ² (mixed)	1.36±0.05g/ml
Adhesive strength	>1.5N/mm ² (Concrete failure)
Solid Content (mixed)	70% ± 3
Number of Coats	2 or 3
Abrasion resistance (wear cycles 1000 revolutions)	1000 cycles weight loss 5mg
Cleaner	BC-Washing Thinner
Water Permeability	Nil-Karsten test (impermeable)
Recommended dry film thickness	±100µ/coat
Mixing Ratio by Weight	Part A : Part B 4.3 : 0.7
Pot life @ 30°C	2 hours
Shelf life & storage (unopened and in good conditions temperature 10°C to 30°C)	12months
Recoating time(28°C) :	10 hours min@30°C
Material consumption	0.15kg/m ²
Curing time:	

	15°C	25°C	32°C
Human traffic	24hrs	20hrs	16hrs
Light traffic	30hrs	24hrs	24hrs
Fully chemicals cure	10days	7days	7days

Packing Size	5kg & 20kg
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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. The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure. If substrate moisture exceeded 4%, apply BC-GARD EM (Epoxy mortar) (Compressive strength 60N/mm²) 4-5mm thick or apply BC-CEM MB 2-3mm thick as a moisture barrier. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hollows should be properly remedied. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

MIXING :

Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 RPM 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 BC-GARD SB Thinner (if need) while mixing continues for a further one minute 30 seconds until a fully homogenous mix has been achieved.

APPLICATION :

By rolling, brushing or spraying. As finish we recommended to roll in one direction back roll with a wide short-pile mohair roller.

TEMPERATURE CONDITIONS OF APPLICATION:

- Do not apply when the relative humidity exceeds 90% on when the surface to be coated is less than 5% above the dew point.
- Do not apply temperatures below 5°C and temperatures above 45 °C

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.