

BC-GARD GP 18

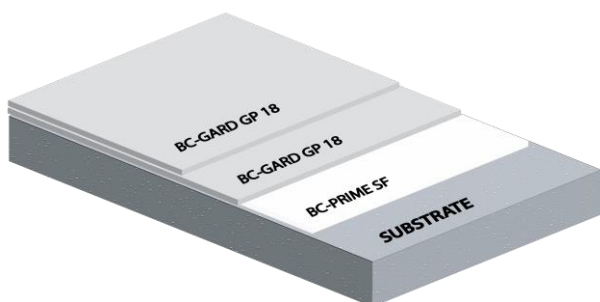
A HIGH SOLID EPOXY COATING AND PRIMER

DESCRIPTION:

A high build, high performance carbomastic epoxy, zinc phosphate anti-rust inhibitor coating and primer, developed specifically as an abrasion and chemical resistant heavy duty floor coating, steel substrate anti-rust and premix road primer.

PRODUCT FEATURE:

Areas of use are light duty industrial for dry process where the floor is subjected to pallet truck, trolley and fork lift traffic areas, car park deck, premix road, laboratories, automotive, garages, printing pulp paper, mills, refineries and other industrial plants sectors where chemical resistance and required.



BENEFITS:

- Seamless, monolithic application.
- Solvent Less, Low Odor – and V.O.C
- Hygienic, easy to clean.
- High chemical resistance to wide range of chemicals.
- Abrasion resistant, against medium traffic and trolley movement.
- Hard wearing floors finish
- Wide range of colors
- Complied with BC6920 requirement.

COLORS:

- White

FINISHING:

- Satin

TECHNICAL DATA

Solid Content (mixed)	87% ± 1%		
Density (28°C) g/ml ² (mixed)	1.50±0.05g/ml		
Adhesive strength	>1.5MPa (Concrete failure)		
Tensile strength	15N/mm ²		
Compressive strength (28 days)	45N/mm ²		
Flexural strength	35N/mm ²		
Shore D hardness	70 ~ 75		
Temperature Resistance	up to 70°C		
Water Permeability	Nil-Karsten test (impermeable)		
Cytotoxicity (2.4 or less)	below <0.5		
Mixing Ratio by Weight	Part A : Part B 1 : 1		
Pot life (working time)	45min		
Shelf life & storage (unopened and in good conditions temperature 10°C to 30°C)	12months		
Material consumption(mixed)	5m ² /kg @ 166µ		
Curing time:			
	15°C	25°C	32°C
Human traffic	24hrs	20hrs	18hrs
Light traffic	36hrs	30hrs	24hrs
Fully chemicals cure	10days	7days	7days
Packaging	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 30 seconds by using a suitable electrical stirrer (with 750 watt High power mixer), then add all of Parts B (Hardener) and mix both liquid parts thoroughly for 2 minute until it fully achieved a homogeneous.

APPLICATION :

- Apply BC-Prime SF @ 0.2kg/m² as a primer for sealing well the substrate porosity.
- Usually within 8-14hours; BC-Prime SF cured, Then only allow to do layering BC-GARD GP 18.
Topping onto the BC- Prime SF Primer.
- Apply BC-GARD GP 18 within the pot life (working time), can be applied by brush or roller.

TEMPERATURE CONDITIONS OF APPLICATIONS:

- 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 40°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-wear 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.