

## BC Coat RBE 100

### Description:

Polycoat RBE 1000 is an emulsified bituminous coating modified with high content of Styrene Butadiene Styrene rubber, which dries to form a tough and seamless, flexible water and vapor proof protective coating

### Characteristics:

Cold applied.
Single component, easy to apply.
Can be applied on damp substrates.
Asbestos free, odorless. Can be applied in closed or confined spaces
Solvent free & environmentally friendly.
Good resistance against chloride and sulphate ions.
Has good adhesion to most building substrates.
Seamless/joint free.

### Fields Of Application:

Can be used for a wide variety of applications, which includes the following:
waterproofing in wet areas such as toilets, kitchens etc.
waterproofing & protective coating on concrete foundations & boundary wall footings.
As damp proof membrane in sandwich construction.
General vapor proof coating for both interior & exterior floors & walls.



## Technical properties:

Color Dark brown -	Dark brown	Standard
Form	Thixotropic viscous liquid	
Density @25°C, [g/cc]	1.05±0.05	ASTM D 1475
Solid content, [%by wt]	>65	ASTM D 2939
Tensile strength, N/mm <sup>2</sup>	>0.2	ASTM D 412
Elongation, [%]	>1000	ASTM D 412
Rubber content, [%]	>15 on the dried film	ASTM D 1644
Recovery, [%]	100	ASTM D 412
Peel adhesion strength [N/mm]	>4	ASTM D 903
Heat resistance@100°C	no flow	ASTM D 2939
Low temperature flexibility, [°C]	≤ -10	ASTM D 5147
Water vapor transmission	<0.2[g/m <sup>2</sup> /24 hours]	ASTM E 96
Drying time@25°C,	60 -70	
Application temperature [°C]	5 to 55	DIN EN 52123
Service temperature [°C]	-5 to 100	
VOC [g/l] <50 ASTM D 3960/	<50	ASTM D 3960/ D 2369

## application instructions:

Application procedures may vary slightly depending upon site conditions

The general recommended guideline for the application of the bitumen coating system is as follows:

### **Building Chemistry Industry**

Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.

Email: [info@bcisaudi.com](mailto:info@bcisaudi.com) Website: [www.bcisaudi.com](http://www.bcisaudi.com)



### Surface preparation:

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil, grease

Light mechanical grinding/grit blasting/high pressure water jet may be used to clean the surface of all the contaminants depending on the degree of contamination on the surface to be coated.

All surface imperfections and protrusions are to be rectified

If a plaster or cement render is to be applied on the bitumen coated surface , broadcast clean, dry sand over the primer coating whilst it is in wet condition

Care shall be taken to ensure that the first coat is not punctured during the application of the second coat

However, if the coating is damaged, the area can be readily over coated provided the surface preparation is done properly.

### Protection:

BC Coat RBE 100 coating should be protected from getting damaged due to the ongoing site activities.

coating can be protected either by a cement sand screed (50mm thick) or by an asphaltic protection board(Bituboard\*).

Alternatively, a 1000 gauge polythene sheet can also be used for protecting the coating in areas where the backfill material is not very coarse.

### Coverage:

The coating shall be applied at a coverage rate of 1-2m<sup>2</sup>/ L/coat at required no. of coats and may vary depending on the requirement

### Cleaning:

Clean all tools immediately after use with clean water.

Hardened material can be cleaned with a suitable cleaner



### **Storage & Shelf Life:**

The pails and drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat

The shelf life of the product is up to 12 months in un-opened condition and when stored as per recommendations

Failure to comply with the recommended storage conditions and excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### **Health & Safety:**

As with all bitumen products caution should always be exercised

Protective clothing such as gloves and goggles should be worn. (See packing for specific instructions).

Treat any splashes to the skin or eyes with fresh water immediately

. Should any of the products be accidentally swallowed, do not induce vomiting

It is highly recommended to apply a priming coat prior to the application of the BC coat RBE 100 coating on the substrate

For very dry and porous substrates apply two coats of this primer  
The primer can be applied to damp or freshly cast concrete surfaces also.

However, it should not be applied on waterlogged or flowing water areas  
in case of delay in application of the top coat for more than 24 hours, a fresh coat of primer shall be re-applied.

Foundation Waterproofing

Stir the contents of the drum thoroughly before application to remove all sediments

