

## BC GUARD

### Description:-

BC Guard is a single component heavy duty water based acrylic waterproofing system that forms a strong barrier against water and moisture. It is designed to remain flexible to withstand cracking and movements of the underlying surface. It has good puncture resistance and is long lasting.

### Typical Uses:

- Waterproofing roofs, parapets, flashings, wall and chimney clapping, roof joints.
- Seal joints and repair hair line cracks.
- Waterproofing and protection of wet areas, kitchens, wash rooms prior to the laying of ceramic tiles.
- Water proof cement, plastic and concrete.

### Benefits:

- Resilient, flexible and weather resistant.
- Used with fiber mesh, it with stands cracking and movement of the underlying surface.
- High elasticity and excellent adhesion.
- Easy to apply and economical.

### Technical Properties:

Applicable standards	ASTMD412,E96
Appearance/Color	Liquid Coating, White
Density	1.27±3%
pH	8-9
Solid Content	>65 %
Elongation at Break (ASTMD412-98A)	500-600 %
Tensile Strength (ASTMD412-98A)	1.1N/mm <sup>2</sup>
Tensile Recovery	90%
Water Vapor Transition ( ASTM E96-95)	0.45-0.5g/h.m <sup>2</sup>
Tensile Adhesion	0.8N/mm <sup>2</sup>
Chemical Resistance	Alkalies, solvents, Diesel etc.
UV resistance	No effect after 2000 hours
Applicable Temp	+5°Cto35°C
Over coating time	6-8 hours depending on application thickness and Ambient temperature



## **Surface Preparation:**

All surfaces must be clean, dry, sound and free from contamination such as loose and peeling paints, dirt, dust, grease, oil, wax, rust and chalk. Repair any damage areas with appropriate patching material and allow to dry prior to application of BC Guard.

## **Application:**

BC Guard is ready for use and can be applied by brush or roller. Before the following coat is applied make sure that the previous coat is completely dry (from 8-12 hours) according to the ambient temperature.

Apply BC Guard in two crossed coats at total thickness of 1.5-2.0mm, the first coat thickness must not be less than 1mm. After 12 hours a second coat can be applied at 0.5-1.0mm thickness.

A fiber glass mesh can be embedded between two coats in coving areas, internal corners, interfaces, tap and rose plumbing. The mesh is embedded immediately over the first wet coat. Apply the second coat to coat to saturate the mesh, before the first coat dries.

## **Precautions:**

Do not apply the BC Guard if the temperature is less than +5°C. Protect the BC Guard coating from rain.

## **Coverage:**

Approx. 2Liter or kg/m<sup>2</sup>@1mm thickness depending upon surface conditions.

## **Packaging:**

BC Guard is packed in 20kg metal can. High temperatures accelerate the process while greater thicknesses require maximum


## **Storage:**

Store under dry shaded area in the original closed container

## **Shelf Life:**

12 months from date of production if stored as recommended.





## **Health & Safety:**

While using all construction chemical products, should be careful and avoid direct contact to eyes, skin and hands. Wear gloves and goggles while handling this product. If sever burn to eyes, skin or hands, consult a Doctor immediately

The Technical specification information and recommendation given one based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product Building chemistry industry reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of Building chemistry industry no guarantee and or responsibility is assumed on the performance of work completion executed with use of our products.

