

## BC Bond

### Poly vinyl acetate based bonding agent and admixture

#### Description:-

BC Bond is a polyvinyl acetate based polyvinyl alcohol suspension used as a surface sealer, bonding agent and admixture for cement and mortar.  
used as a surface sealer, bonding agent and admixture for cement and mortar.

#### Features & Advantages:

Bonds to most common construction material except PVC rubber and similar products
Versatile
Enhances adhesion
Increases strength

#### Fields Of Application :

BC Bond . bonds with almost all kinds of building materials except PVC, rubber and polyethylene. When added with suitable filler, it can be used for fixing plasterboard, ceramic tiles, marbles etc.

**Bonding Agent**

BC bond gives mortars, especially topping mortars enhanced bond strength. The wear resistance of screed treated with BC PVA Bond is improved than that of a conventional sand and cement screed. The topping will be dust free, wear, water, oil and grease resistant

**Admixture**

BC Bond has a plasticizing effect which improves mortar application, increases the mechanical strength of screeds and renders, reduces shrinkage and has perfect adhesion even on smooth concrete

**Surface sealer**

BC Bond can be used as a surface sealer for concrete and floors to minimize the dusting and penetration of oils. It can be used as an effective primer on certain decorative coatings

**Environmental Information**

Contributes toward satisfying LEED® v4 requirements of the EQ Credit- Low-emitting Materials (for the VOC content)



## **Application Instructions:**

As an adhesive for uneven surfaces

Make a paste of BC Bond diluted with equal amount of water, cement and fine sand. The paste can be applied as an adhesive for fixing plaster boards, polystyrene tiles. To ceiling and walls. If the surface is highly porous, apply a primer coat of BC Bond mixed with water in the ratio of 1:3.

As a bonding agent for screeds, plasters and renders The surface shall be sound and free from all contaminants, such as oil, grease, paint etc. Sealing of the surface is done with 1 part of BC Bond with 3 parts of water. Apply the bonding coat followed by the application of the render, screed or plaster normally. The same method shall be used to bond new to old concrete.

## **As an admixture :**

For normal to heavy duty flooring, 20-30L of BC Bond is the recommended to be admixed with 100 kg cement.

For heavy renderings and cementitious toppings Seal and prime the surfaces with BC Bond diluted with 3 parts of water. Prepare the render coat with 1 part of ordinary portland cement, 1 part clean washed sand and 1 part of BC Bond to 3 parts of clean water. Apply this to the tacky prime coat. 10 to 15L of BC Bond per 100 kg cement is recommended. Note: Stir the contents of the product thoroughly, before use

## **Limitations:**

not recommended where permanent dampness occurs.
do not use below 5°C
do not over towel

## **Cleaning:**

Clean all the tools with water immediately after use.





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

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 12 months in un-opened condition and if stored as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### **Health & Safety:**

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

### **Supply :**

BC Bond 5L, 20L pails & 200L drum

### **As an admixture :**

Floor screeds/topping	20-30L of BC Bond per 100 kg cement
render coat cement	10-15L /100 kg
As a Primer /adhesive / bonding coat	
Neat	1L / 10 m2
dilute 1:1	1L / 20 m2
dilute 1:3	10-15L / 35m2



These values will vary according to the degree of porosity and texture of the surface.

Properties	Values	Test Standards
Appearance	White viscous liquid	-
Solid content, [%]	30±3	ASTM D 2939
pH	6-7.5	BS EN ISO 787
Specific gravity	1.05±0.05	ASTM D 1475
Application temperature, [°C]	5 to 45	-

