



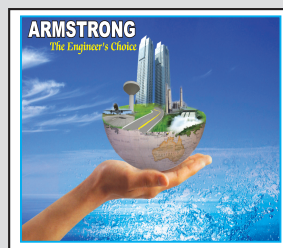
ARMSTRONG CHEMICALS PVT. LTD.,  
Bengaluru  
An ISO 9001 : 2015 Certified Company



High power, High bond Acrylic Penetrative coatings

#### DESCRIPTION :

**ROOFBOND BCS** - A Liquid breathable product based on stabilized acrylic co-polymers penetrates through the cracks, voids, pores of the concrete and provides good adhesion to the substrate wherever flooring was debonded or disturbed. The treated area generated by the product, consolidates the treated surface, improves the adhesion between the substrate and subsequent plasters /coatings such as plaster, screeds, excellent waterproofing coatings like acrylic, bituminous and polyurethane coatings like Rainseal/ Rainseal Flexicoat 200 / Rainseal Flexicoat B 300 / Rainseal BMW 250/ Roofcare PU/ Roofcoat/ Roofcoat Flexi 100 etc., Suggested to lay fibre mesh or Geo fabric mesh between the treated surface and subsequent plasters / coatings to enhance the durability of the treatment.



#### ADVANTAGES :

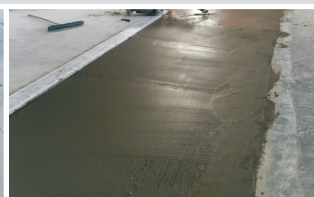
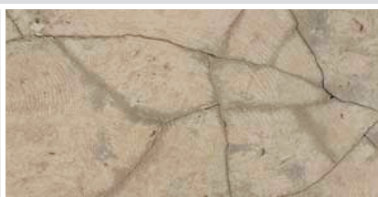
- Easy to use. • Highly penetrative and stabilizes the substrate with excellent fast setting.
- Provides excellent adhesion properties with steel and concrete. Provides high bond strength between the old substrate of disturbed or debonded floorings, china chips floorings etc.,
- Can be over coated with any waterproofing coatings. • Can be cement plastered by applying any acrylic or epoxy bonding agent like Roofbond PB, Roofbond SBR, Roofbond EP.
- Excellent UV resistant and withstand long term weathering conditions.
- Can be used as an admixture for structural repairs, being it is a highly penetrative with high bonding strength. • Resistant to diluted Acids, Alkalies, Salts, moisture and fungus growth.

#### TECHNICAL PROPERTIES :

S.No.	PROPERTY	TYPICAL VALUE
1.	Appearance	White / Off White liquid
2.	Nature	Aqueous Acrylic Polymer
3.	Density	1.32 g/cc
4.	Solid Content	68% +/- 2
5.	Viscosity	2000 to 4500 mpaS
6.	PH Value	7-8
7.	Adhesion to substrate (N/mm <sup>2</sup> )	>1.5
8.	Dispersion type	Anionic
9.	Water absorption	< 1% after 7 days
10.	Touch dry	2 Hrs. @ 25°
12.	Mean Particle Size	ca 0.1 Micron
13.	Elongation	> 300%
14.	Tensile strength	> 1.5Nmm <sup>2</sup>
15.	Water vapour transmission	25 gms/m <sup>2</sup> /perday
16.	Reduction in chloride ion ingress	94% at 28 days

#### RECOMMENDED FOR :

- Roofs
- Pre-cast terrace slab Floorings
- Industrial Floorings
- Concrete Floorings
- Masonry Floorings



**APPLICATION DATA :**

Min temperature for application	- 5°C
Max Temperature for application	- 50°C
Coverage	- Depends on substrate condition / Application system
Substrate drying WME	- < 15 %
Tool cleaning	- Soap and water immediately after use.
Waiting time between coating / plaster	- 3 to 4 Hrs.

**APPLICATION GUIDELINES :**

Do not apply in temperature inferior of 5°C in the presence of strong wind, rain or in direct sunlight. During summer months, the temperature when applying should not be above 50°C. Do not apply to surfaces that are wet, frozen or thawing or when freezing temperature are forecast within 24 Hrs after applying.

**SURFACE PREPARATION :**

Remove all the loose particles, just widen the cracks more than 1mm with cutting machine, clean the dust and wash the surface with water. As a primer coat take 2 Ltrs. of **ROOFBOND BCS** a high power high bond acrylic penetrative coating and mix with 1 ltr. of water and 3 Kgs. of Cement and apply as a slurry coat directly on the cleaned surface at an average coverage of 1 Sqm. per Kg. mix to penetrate into the cracks and disturbed surface of the floor to stabilize the floor area. For durability and strength one more coat was recommended after laying of 40/50 GSM Fibre mesh / Geo fabric in part of multi layer application system. If Fibre Mesh/Geo Fabric of 40/50 GSM uses as reinforcement, after laying of the same **ROOFBOND BCS** was recommended over the Geo Fabric and allow it for 2 Hrs for dry.

**NOTE :** As per the site condition if required fine sand also can be mixed, i.e. **ROOFBOND BCS** 1 Ltr.+water 1 Ltr. +Cement 1Kg. and Fine sand 1Kg.

**NOTE :** As a part of the multi layer system of the applications like Rainseal HFC 5 Layer system : Roofbond BCS can be used as a seler / primer coat and after laying of the Fibre Mesh/Geo fabric as required by the site, application of the second coat with Roofbond BCS / Roofbond BCS PRIME 501recommended.

**PACKING :** 1, 5, 10, 20 & 210 Ltrs

**SHELF LIFE :** 2 Years from the date of manufacturing.

**STORAGE :** Store in dry condition in the original containers.

**HEALTH & SAFETY PRECAUTIONS :**

**Skin contact :** Wash skin with soap & water.

**On eye contact :** immediately splash eyes with plenty of water, consult physician if irritation persists.

Whilst **ARMSTRONG CHEMICALS PVT. LTD.** strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.



**Manufacturers :**

**ARMSTRONG CHEMICALS PVT. LTD.**

An ISO 9001 : 2015 Certified Company



36/1, G-5, New International Airport Road, Ganga Nagar, BENGALURU - 560 032.

E-mail : [armstrongchemicals@gmail.com](mailto:armstrongchemicals@gmail.com); Web : [www.armstrongchemicals.in](http://www.armstrongchemicals.in)

Please Contact for Customer Care Information : **08095621122** Toll Free No. **1800 103 2034**

**Authorised Distributor / Stockist**

**ARMSTRONG CHEMICALS**  
**TRUSTED AND ACCLAIMED FOR ITS**  
**MULTIPLE ACTION PERFORMANCE**

