

SUPERBOND FBV ACRYLIC CO POLYMER EMULSION



DESCRIPTION :

SuperBond FBV water based acrylic copolymer emulsion .It is also used as Waterproof Adhesive and Bonding Aid in construction industry.

Quality control carried out during manufacture of the emulsion includes checks on viscosity, solids content and pH value.

USES

- The product is for use as a bonding aid for gypsum-based plasters in dry service conditions only, and sand/cement renders in dry and intermittently wet internal and external service conditions, as described.
- It is used with renders and plasters in accordance with the relevant codes of practice.
- SuperBond FBV Adhesive and Bonding Aid is designed to meet the performance requirements of BS 5270-1 : 1989(1997).

APPLICATION:

- Bonding aid for new and old concrete / mortar
- Repair and patching of concrete areas
- Water resistant renders and abrasion resistant toppings
- Heavy duty trowel finished floors
- High strength bonding of concrete.
- Waterproof renders for tiling and brickwork.
- Resurfacing old concrete or granolithic floors.
- Self leveling floor screeds.
- High strength repair and patching mixes.
- Mortar lining of areas subject to abrasive or mild chemical action, effluent ducts, tanks, etc.
- Waterproof slurry coats to level and seal walls, floors and tanks.



ADVANTAGES :

- Excellent adhesion to a wide range of cementitious substrates
- Improves toughness and flexibility, reduces chance of cracking in mortars & screeds
- Increases wear resistance and frost resistance
- Suitable for interior and exterior applications
- SuperBond FBV dramatically improves adhesive, compressive and tensile strengths of cementitious mixes.
- Greatly increased impact and abrasion resistance.
- Self leveling, flowing consistency mixes can be produced to enable placement under difficult conditions.
- Mixes containing SuperBond FBV have low permeability, and are suitable for waterproof sealing and lining of tanks, pools, etc.
- Chemical resistance to oils, grease, salt solutions and mild acids is very good.



Bonding gypsum plasters

To bond gypsum plasters to absorbent surfaces a priming coat of the product diluted 1:5 with water is applied and allowed to dry. A second coat diluted 3:1 with water is applied and while tacky, the plaster is applied.

Bonding sand/cement renders — in dry conditions

To bond sand/cement renders of up to 9 mm thickness, the procedure detailed above i.e, priming coat of the product diluted 1:5 with water is applied and allowed to dry. A second coat diluted 3:1 with water is applied and while tacky, the plaster is applied.

To bond sand/cement renders of thicknesses greater than 9 mm a priming coat of the product diluted 1:5 with water is applied and allowed to dry. A slurry coat of two parts washed sand to one part Portland cement, gauged with SuperBond FBV Adhesive and Bonding Aid diluted 1:1 with water, is then applied, peaked up, and allowed to dry for at least 24 hours before the render is applied.

Bonding sand/cement renders — in dry conditions

To bond sand/cement renders of up to 9 mm thickness, the procedure detailed above i.e, priming coat of the product diluted 1:5 with water is applied and allowed to dry. A second coat diluted 3:1 with water is applied and while tacky, the plaster is applied.

To bond sand/cement renders of thicknesses greater than 9 mm a priming coat of the product diluted 1:5 with water is applied and allowed to dry. A slurry coat of two parts washed sand to one part Portland cement, gauged with SuperBond FBV Adhesive and Bonding Aid diluted 1:1 with water, is then applied, peaked up, and allowed to dry for at least 24 hours before the render is applied.

TYPICAL TECHNICAL DATA :

Type	Acrylic Co Polymer Emulsion
Appearance	White Colour
Solids by Wt.	50 + 2%
Specific Gravity	1.05 at 20°C
pH	7.5 - 9.5
Staining	Non staining
Flammability	Non Flammable
Viscosity	200 - 500 cps (BF SP2 / 50 RPM)

STORAGE LIFE:

12 months from date of manufacture.

METHOD OF USE

General

The standard of installation should comply with BS 8000-10 : 1995 or equivalent.

SuperBond FBV Adhesive and Bonding Aid must be used strictly in accordance with the manufactures instructions and should not be used in permanently wet conditions.

Gypsum plastering and sand/cement rendering should be in accordance with the appropriate recommendations of BS 5492 : 1990 or equivalent and the manufactures instructions.

Bonding sand/cement renders — in intermittently wet conditions

To bond sand/cement renders of up to 9 mm thicknesses a priming coat of the product diluted 1:5 with water is applied and allowed to dry. A slurry coat of two parts Portland cement, gauged with SuperBond FBV Adhesive and Bonding Aid diluted 1:1 with water, is then applied, followed by the render while the coating is tacky.

To bond sand/cement renders of thicknesses greater than 9 mm, the procedure detailed above i.e, a priming coat of the product diluted 1:5 with water is applied and allowed to dry. A slurry coat of two parts washed sand to one part Portland cement, gauged with SuperBond FBV Adhesive and Bonding Aid diluted 1:1 with water, is then applied, peaked up, and allowed to dry for at least 24 hours before the render is applied.

DESIGN DATA

General

- SuperBond FBV Adhesive and Bonding Aid is suitable for use as a bonding aid for gypsum plaster in dry service conditions only, and for sand/cement renders in dry and intermittently wet internal and external service conditions.
- When used in conjunction with sand/cement renders, work should generally be in accordance with requirements as per BS 5262 : 1991.
- When used as a bonding aid for gypsum plaster, work must be in accordance with the recommendations of BS 5492 : 1990.

Strength

An analysis of test data indicates that:

- when used with gypsum plasters the strength of bond is designed to comply with the requirements of BS 5270-1 : 1989(1997), and
- when used with sand/cement renders, SuperBond FBV Adhesive and Bonding Aid provides a strong bond to substrates, such as dense concrete, where a bonding aid is normally required.

Behavior in relation to fire

- The product is an aqueous emulsion and therefore poses no fire hazard during application.
- When used as a bonding aid the product will not adversely affect the behavior in fire of a gypsum plaster or a sand/cement render.

Practicability of application

The product is used in a similar manner to other polymer emulsion bonding aids and may be used in all conditions normal to internal and external rendering, and plastering work.

CURING

Thorough curing is essential on all exposed surfaces, particularly in dry or windy conditions. One or two coats of a membrane sealer will provide curing. Alternative methods such as water misting, polythene sheeting and similar techniques are also suitable.

HEALTH AND SAFETY

For further information see the SuperBond FBV Material Safety Data Sheet

PACKAGING

SuperBond FBV is supplied in 25 /50 /210 /240litre and 210 litre free, non-returnable containers.

STORAGE

SuperBond FBV is a stable non-flammable product. Store in closed containers, at temperatures of 10°C-40°C for maximum storage life.

TECHNICAL SERVICE

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.



SOUND BUILD CARE PVT. LTD.

Regd Off: Unit No. 13, Swastik Chamber, Ground Floor, C.S.T. Road Chembur, Mumbai 400071

TEL : 022-25236991/92 . **FAX:** 022-25236995

Email: info@soundbuildcare.com

www.soundbuildcare.com

DISCLAIMER :

If applied as per the recommendation in the product data-sheet, PMC-1 is guaranteed for the purpose of which it is recommended . We can not assume responsibility of misuse of our products . We assume no responsibility for the finished work as we have no control over factors such as mixing, application surface preparation, weather and other conditions that may prevail at the time of applications.