

## Description

rbs PVA Bond is an economical quick drying adhesive, sealer and bonding agent and cement admixture which has many applications. rbs PVA Bond conforms to the requirements of BS 5270.

## Uses

- As an adhesive for most common building materials, rbs PVA Bond will bond most common building materials - except PVC, rubber and polythene – to themselves and to each other.
- As a bonding agent for cement screeds and render, plaster and concrete rbs PVA Bond will bond cement screeds, rendering and plaster to most sound surfaces such as concrete, stone and brick and new concrete to old without the need for hacking the surface to form a key.
- As an admixture for mortar / in cements/ sand and granolithic screeds: rbs PVA Bond enables thin, jointless floor toppings to be laid.
- As a sealing coat - Applied to porous concrete renders, plaster, plasterboards and granolithic floors as a sealer, rbs PVA Bond minimises dusting.

## Advantages

- Numerous applications in the building industry from one product.
- Economical and simple to use.
- Exceptional adhesive properties.
- Quick Drying.

## Directions For Use

**As an adhesive** - On smooth, flat surfaces, coat both faces with rbs PVA Bond diluted with an equal volume of water. Allow to become tacky then press together.

When bonding smooth wood to wood, apply a thin coat of neat rbs PVA Bond to one face only and press together firmly. On large areas, such as laminated plastic, clamping or weights may be required until the bond is set (usually after 24 hours, depending upon surface porosity).

**Dilution rate** - As a sealer coat: 1 part rbs PVA Bond to 4 parts water. As a bonding coat: dilute 3 parts rbs PVA Bond to 1 part water and apply after application of a 1:4 sealer coat.

Note: Allow the sealer coat to dry prior to the application of the bonding coat. On totally non-absorbent surfaces,

such as polished grano, etc. the sealer coat may be omitted.

If surfaces to be bonded are very porous, first prime with 1 part rbs PVA Bond diluted with 3 parts clean water and allow to dry.

**As a bonding agent for cement screed and renderings, plaster etc** - The background must be sound since the adhesion of the mortar to the floor, wall or ceiling will only be as good as the surface beneath. Carefully examine the surface and remove all flaking and cracking plaster etc.

The surface must be stable and sound, thoroughly clean, and free from oil and grease. Seal the surface using rbs PVA Bond (1:4 dilution). Allow this to dry, then apply a bonding coat of 3 part rbs PVA Bond diluted with 1 parts water. Screed, plaster or render on the tacky bonding coat using established sound practice (when using proprietary premixed plasters consult plaster manufacturer's recommendations regarding the correct grade to use). Cure cementitious screeds and renders properly.

**As a surface sealing coat** - To seal highly porous and badly dusting concrete or granolithic subfloors, apply 2 coats of rbs PVA Bond diluted at the rate of 1 part rbs PVA Bond to 4 parts water and a final coat diluted 1 part rbs PVA Bond to 3 parts water.

Allow each coat to dry before proceeding. On less porous floors, the first coat may be omitted.

**As an admixture in cement/sand and granolithic screeds** - The use of rbs PVA Bond in the mix allows thin, jointless floor screeds (9-18mm thick) to be laid without the need for setting out bays, new levels, etc. For domestic use and other areas subject to light traffic, use 3 parts sand, 1 part cement and 5 litres of rbs PVA Bond per 25Kg of cement.

For an industrial floor finish or where there is Issue 2 – 24/1/2013 heavy traffic, use 1 part sand 1 part cement and 2 parts 6 to 3mm granite (no dust) plus 10 to 15 litres of rbs PVA Bond per 50Kg of cement. Follow the instructions given above for sealing and bonding, particularly ensuring that the substrate surface is stable, sound and thoroughly clean. Mix the mortar by hand or machine to a semi-dry consistency; do not mix the mortar too wet - the addition of rbs PVA Bond will reduce the amount of water needed to achieve a given workability. Lay the screed on to the tacky bonding coat, tamping well to ensure maximum contact with the

floor beneath. Trowel to smooth finish. Under normal temperature conditions with the maximum addition of rbs PVA Bond the setting time of sand/cement is 36 hours to 48 hours and granolithic 24 hours to 36 hours. Allow 3 days to 7 days before opening to traffic, depending upon the severity of the traffic (longer may be required if temperatures are low).

Clean all equipment in water immediately after use.

## Coverage

### As a primer/adhesive:

Neat 1 litre per 6-12 sq mtrs.

Diluted 1:4: 1 litre per 24-48 sq mtrs.

Diluted 1:3: 1 litre per 18-36 sq mtrs.

The above figures will vary according to the degree of porosity and texture of the surface to which rbs PVA Bond is applied.

### As an admixture:

rbs PVA Bond is added at the rate of 10 to 15 litres per 50Kg of cement used i.e., approx. 100 to 150 litres per cubic metre of mortar

## Storage

Store at ambient temperatures - protect from frost. The shelf life is up to 12 months if stored in unopened containers according to manufacturer's instructions.

The information given on this sheet is, to the best of our knowledge, true and accurate. No guarantee of the results implied, or any loss or damage arising out of this material, however, are possible as the conditions of application are beyond our control. This is not withstanding any liability arising from the Consumer Protection Act 1987 and the Health & Safety at Work Act. Health and Safety data is available on this product and should be referred to prior to its use

## Technical Data

Viscosity @ 23°C Brookfield RVT 5/20	70 - 150 poise
pH	4.0 - 6.0
Minimum Film Forming Temperature (°C)	Approx 2
High Temperature Stability (1 week @ 50°C)	Stable
Specific Gravity	1.07

## Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy themselves that each product is fit for the purpose for which they intend to use it. Ensure that the actual conditions of use are suitable, and that in the light of our continual research and development programme, the information relating to each product has not been superseded.

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