

# PRODUCT DATA SHEET

## Feb<sup>®</sup> General Purpose PVA

MULTI-PURPOSE, QUICK DRYING ADHESIVE, SEALER, PRIMER AND ADMIXTURE

### PRODUCT DESCRIPTION

Feb<sup>®</sup> General Purpose PVA is a multi purpose quick drying PVA adhesive, sealer and bonding agent and cement admixture which has many applications in the building and DIY markets. Bonds a wide variety of building materials including wood, plaster, concrete and ceramics.

### USES

- As an adhesive for most common building materials - Feb<sup>®</sup> General Purpose PVA will bond most common building materials to themselves and to each other.
- As a bonding agent for cement screeds and render, plaster and concrete - Feb<sup>®</sup> General Purpose PVA 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 abrading the surface to form a key.
- As an admixture for mortar and an admixture in cements/sand and granolithic screeds - Feb<sup>®</sup> General Purpose PVA 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, Feb<sup>®</sup> General Purpose PVA minimises dusting.

### CHARACTERISTICS / ADVANTAGES

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

<b>Viscosity @ 23°C</b>	70 – 150 poise
<b>Minimum Film Forming Temperature (°C)</b>	ca. 2
<b>High Temperature Stability (1 week @ 50°C)</b>	Stable

### PRODUCT INFORMATION

<b>Packaging</b>	5kg jerry
<b>Appearance / Colour</b>	White
<b>Shelf Life</b>	Up to 12 months if stored in unopened containers according to manufacturer's instructions.
<b>Storage Conditions</b>	Store at ambient (5 - 25°C) temperatures - protect from frost.
<b>Density</b>	ca. 1.03 g/cm <sup>3</sup>

**Consumption****As a primer/adhesive**

Neat 1 litre per 6-12 m<sup>2</sup>.

Diluted 1:4: 1 litre per 24-48 m<sup>2</sup>.

Diluted 1:3: 1 litre per 18-36 m<sup>2</sup>.

The above figures will vary according to the degree of porosity and texture of the surface to which Feb® General Purpose PVA is applied.

**As an admixture:**

Feb® General Purpose PVA is added at the rate of 10 to 15 litres per 50 kg of cement used i.e. approx. 100 to 150 litres per cubic metre of mortar.

**APPLICATION INSTRUCTIONS****APPLICATION METHOD / TOOLS****As an adhesive:**

On smooth, flat surfaces, coat both faces with Feb® General Purpose PVA 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 Feb® General Purpose PVA 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 Feb® General Purpose PVA to 4 parts water.

As a bonding coat: USE NEAT 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 granite, etc. the sealer coat may be omitted.

If surfaces to be bonded are very porous, first prime with 1 part Feb® General Purpose PVA 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 Feb® General Purpose PVA (1:4 dilution). Allow this to dry, then apply a NEAT bonding coat of Feb® General Purpose PVA. 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.

**Bonding New Concrete to old**

Ensure that the substrate is stable, sound, thoroughly clean and free from oil, grease and any loosely adhering material. Apply a sealing coat of Feb® General Purpose PVA diluted with 4 parts of clean water and allow to dry.

Apply a bonding coat of neat Feb® General Purpose PVA and lay the new concrete while this coat is still tacky. To ensure maximum bond strength, add approx 2 litre of Feb® General Purpose PVA per 50Kg bag of cement.

**As a surface sealing coat**

To seal highly porous and badly dusting concrete or granolithic subfloors, apply 2 coats of Feb® General Purpose PVA diluted at the rate of 1 part Feb® General Purpose PVA to 4 parts water and a final coat diluted 1 part Feb® General Purpose PVA 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 Feb® General Purpose PVA 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 10 litres of Feb® General Purpose PVA per 50kg of cement. For an industrial floor finish or where there is heavy traffic, use 1 part sand 1 part cement and 2 parts 6 to 3mm granite (no dust) plus 10 to 15 litres of Feb® General Purpose PVA 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 Feb® General Purpose PVA 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 a smooth finish. Under normal temperature conditions with the maximum addition of Feb® General Purpose PVA the setting time of sand/cement is 36 hours to 48 hours and for 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).

**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 Feb® General Purpose PVA is applied.

**As an admixture:**

Feb® General Purpose PVA 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.

**CLEANING OF TOOLS**

Clean all equipment in water immediately after use.

## LIMITATIONS

Do not use in exterior applications or in areas subject to constant damp. In these areas use FEBOND SBR.

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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