

# Keybond 2000

PVA multipurpose bonding agent for cement mixes



## Description

Keybond 2000 is a one component PVA based concentrate. Keybond 2000 is specially formulated for use as a multipurpose bonding agent, primer, sealer and admixture for cement or gypsum mixes.

## Applications

Keybond 2000 is ideally designed for use in the following applications:

- ▲ As a primer and sealer on common porous substrates such as plaster, block and concrete for the subsequent application of coating.
- ▲ As primer for paints.
- ▲ As priming bonding agent for cement or gypsum mixes such as plasters, renders and screeds for difficult substrates or situations requiring additional adhesion.
- ▲ As an admixture for readymade and site mixed cement or gypsum mixes.
- ▲ As a general purpose adhesive for wood, cork, paper, carpet, stone, tiles, etc.

## Advantages

- ▲ One component, easy to use.
- ▲ Bonds many types of construction materials.
- ▲ Increases adhesion and other physical properties when added to cement mixes.
- ▲ Improves render and mortar durability.
- ▲ Transparent when dry.
- ▲ Chlorine and solvent free.
- ▲ Economical.

## Method of Use

### Substrate Preparation

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by light scabbling or grit blasting.

### Application

#### *General purpose bonding agent:*

Strong adhesive for many substrates such as bricks, carpets, stone, tiles, wood and many other types. Apply a thin film of Keybond 2000 over the prepared sides to be adhered together, allow applied layer to become tacky prior to pressing each part and allow curing for

### Technical Properties @ 25°C:

Appearance:	White viscous liquid
pH:	4 – 5
Specific gravity:	1.0 – 1.05
Stability:	Stable in alkaline conditions
Compatibility:	All types of Portland cement and gypsum

approximately one day.

#### *Cement screeds and plasters bonding agent:*

Porous surfaces should be sealed using diluted Keybond 2000 (1 part Keybond 2000 to 4 parts water) which should be brushed vigorously into the prepared surface making sure to fill all pores and voids and allow it to get dry. Apply diluted Keybond 2000 (1 part Keybond 2000 to 1 part water) to the sealed surface using a brush.

Make sure to apply the plaster or repair mortar whilst the applied coating is still tacky.

#### *Sealer coat and dust proofing:*

Diluted Keybond 2000 (1 part Keybond 2000 to 4 parts water) should be applied by brush over the target surface and allowed to dry.

*Note: for porous surfaces other coat should be applied to assure appropriate seal.*

#### *Admixture in cement/sand screeds:*

Use it as an admixture in cement/sand screeds in both light traffic and heavy traffic areas. Supposed mixes is as the following:

Component	Light traffic kg	High traffic kg
Cement	100	100
Sand	300	100
Granite (4 - 6 mm)	-	200
Keybond 2000	20	25

Prime the prepared surface with diluted Keybond 2000 (1 part Keybond 2000 to 4 parts water). The dry components should be mixed together.

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Add water to the mix to achieve a semidry mix and then add the Keybond 2000 and mix, more water could be added to achieve the required workability. Lay the mix on the tacky primed surface, tamp it and smooth it using trowels.

## Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

## Packaging

Keybond 2000 is available in 1 kg plastic buckets, 5 kg metal tins and 200 kg drums.

## Coverage

Bonding agent: 16 m<sup>2</sup> when diluted 1 to 1.

Sealer coat: 25 m<sup>2</sup> when diluted 1 to 4.

Admixture: 20 - 25 litre/100 kg Cement depending on use.

*Note: The coverage rate differs from surface to another depending on the porosity of the surface.*

## Storage

Keybond 2000 has a shelf life of 12 months from date of manufacture if stored at a temperature within 25°C in original unopened packaging away from direct sunlight.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## Cautions

### Health and Safety

Keybond 2000 should not be swallowed. Gloves and eye protection should be worn.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice.

For further information refer to the Material Safety Data Sheet.

## Fire

Keybond 2000 is nonflammable.

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- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

### Note:

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