

# Vuba-Prime Hydraguard



## Application



## Bespoke Tinted

### Product Description

Damp proof primer.

### Introduction

Hydraguard is a two component, solvent free damp proof membrane designed to prime or coat cementitious surfaces that possess high levels of residual moisture or rising damp. Vuba damp proof primer offers excellent water repellent properties for cementitious surfaces which have not been protected by an underlying moisture barrier or where the existing damp proof membrane is defective. Installation of this damp proof primer can eliminate the need of costly removal or reinstatement of existing slabs and damp proof membranes, also permitting early overlying without the conventional drying out period being necessary.

### Composition

Pigmented epoxy/amine resin system.

### Size

5kg Unit

### Components

Each unit of Vuba-Prime Hydraguard consists of one part Resin and one part Activator, supplied pre-weighed and ready to mix.

**Important:** Both components should be mixed together in their entirety. Any part mixing is done at the users risk of compromising the cure and performance of the product.

### Coverage Guide

You can typically achieve up to 20m<sup>2</sup> per coat with a 5kg unit depending on the substrate type and condition. Smooth surfaces in good condition are more likely to achieve the full coverage than rough and damaged substrates. The thickness applied can also affect coverage achieved. Please contact us if you require further advice.

### Appearance

Vuba-Prime Hydraguard cures to a high gloss finish with a tinted yellow colour.

**Note:** Bespoke pigmentation may be available on request, subject to surcharge and availability.

### Availability

We aim to dispatch all standard orders received before 12pm for next day delivery. Bespoke pigmentations and non-stock items may take up to 3-5 days.

### Typical Installations

Hydraguard is used effectively as a moisture suppressant membrane for over-sealing cementitious surfaces which contain high levels of residual moisture. Common environments include basements, garages, warehouses and factory floors. Vuba damp proof primer is popular for use prior to overcoating or screeding but can also be left as a wearing and attractive finish.

### Anti Slip

By using aggregate with this damp proof primer you can achieve a 'Low' rating for slip resistance according to BS8204. Vuba-Adsafes can be applied in various ways depending on job specific requirements. Please consult the Vuba-Adsafes data sheet or contact us for guidance.

**Note:** Avoid incorporating Vuba-Adsafes into the first coat when damp proof priming as this may allow water to bleed through the primer and contaminate the following coats.

### Durability

Hydraguard offers excellent long term hydrolytic stability and medium-heavy duty abrasion resistance when left as a wearing finish.

### Thickness

Generally applied at 240 microns per coat.

### Substrates

Hydraguard adheres well to all common cementitious based floor compositions including old or new concrete. For alternative substrates please contact us for advice before purchasing.

### Samples

To ensure that you are choosing the right product for the job, we always recommend purchasing an appropriately small amount to trial first. This allows you to gauge the achievable coverage as well as seeing the type of finish and colour in person, which may sometimes appear differently to on the screen or printed out. This is also a good chance to practice the application method which may be a useful process if previous experience with epoxy primers is limited. Hard samples may also be available upon request and can usually be posted within 1-2 days.

### Preparation

To ensure maximum adhesion and performance from Vuba products the correct preparation methods must be adhered to. Please see our 'Vuba Floor Preparation Data Sheet' for detailed information.

**Note:** Although damp proof and moisture tolerant, this primer should always be applied onto a touch dry surface.

**Tip:** Ensure you have a mixing area clearly set out and you have planned the application process well before mixing, ensuring all tools are ready to be used so that the product pot life can be used efficiently.

### Application Conditions

Hydraguard should always be applied within an ambient temperature range of 5-30° C. These are the maximum and minimum temperatures - apply above 10° C and below 25° C for best results.

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## Mixing

Add the full contents of Activator B to the Resin A container and mix with a slow speed stirrer for at least 2-3 minutes or until homogenous, paying special attention to agitate the sides and base of the container.

**Important:** Both liquids are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together until homogenous to ensure the product cures correctly and to the desired uniform finish.

**Tip:** Avoid leaving the damp proof primer sat in the tub for extended periods once mixed, as the pot life may be reduced and usability could be compromised quicker than expected. You should aim to pour out and apply well before the end of the product pot life.

## Application Technique

Pour mixed damp proof primer directly onto the floor surface from the container. Use standard floor paint brushes to cut in at the floor edges and intricate areas, and roll over open areas using a medium pile nylon roller. Our coating application kits contain all the appropriate items. Push the resin well into the surface making sure the floor is fully wetted and then pull back lightly with the roller to the required thickness. Allow first coat to cure and reapply in the same manner at right angles to the first coat if possible for a uniform finish. Follow the cure schedule stated below for timing guidance.

**Important:** The entire surface must be completely coated in order to prevent water migration.

## Tool Cleaning

Vubasolve xylene solvent can be used to clean any reusable tools. Splashes or spillages can also be removed with the help of Vubasolve and wiping with rags.

**Tip:** Remove your roller refill from the frame immediately after application so the frame can be used again.

## Cure Schedule (20° C)

Pot Life:	40 mins
Touch Dry:	6-8 hrs
Intercoat:	16-48 hrs
Light Traffic:	24-48 hrs
Full Traffic:	36-72 hrs
Full Cure:	5-7 days

**Note:** For lower temperatures the times stated will be extended, and equally shortened for higher temperatures.

**Important:** If the stated intercoat period is exceeded, mechanical abrasion may be required to create an appropriate key for overcoating. Contact us for advice if unsure.

## Technical Data

### Water vapour permeability to A.S.T.M:

2.6/m<sup>2</sup>/mm/day

### Service temperature:

minus 20°C- 60°C

### Lap shear bond strength to A.S.T.M:

16-18N/mm

### Direct pull from concrete adhesion

(Elcometer):

9-11N/mm

## Chemical Resistance

Hydraguard damp proof primer offers good resistances to general chemical contact and excellent stability under water/saline immersion.

**Important:** Always maintain good housekeeping. Although chemical resistant, spillages should always be addressed responsibly and within a reasonable period of time.

## Health and Safety

Please read the relevant Material Safety Data Sheets provided in compliance with the requirements of EC Directive 91/155 before commencing application.