

Your product datasheet

Hydraguard

Hydraguard is a two component epoxy liquid applied damp proof membrane and moisture suppressant primer and sealer.



Made in
the U.K.



Literature Code:
V-HG-420



Welcome to the Vuba Resin Revolution

Hydraguard

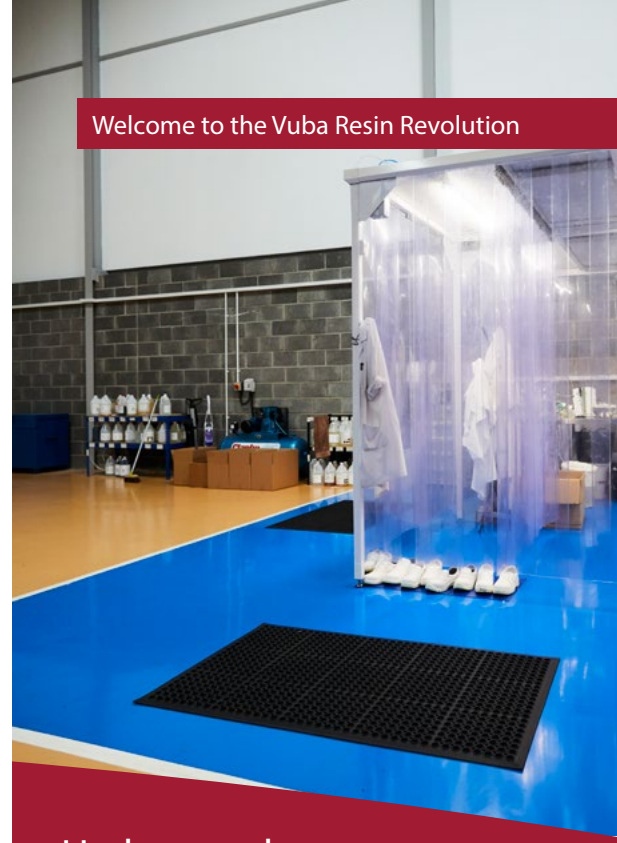
A Solvent Free Epoxy Primer

What is Hydraguard?

Hydraguard is a low odour, low viscosity two component epoxy with excellent adhesion properties. Hydraguard is a solvent free epoxy, which can prevent the release of moisture from substrates as well as providing a waterproofing layer.

Why Choose Hydraguard?

Hydraguard can be applied on to cementitious surfaces with a Relative Humidity of up to 99% when tested in accordance with BS-8203. Hydraguard will limit the release of moisture to 5/mg/m² per day. Allowing the substrate to breath whilst preventing issues associated with excessive moisture release in in situ floors. Finally, Hydraguard will act as a waterproofing barrier to substrates.



Hydraguard Key Information

Sizes Available	5kg, 10kg, 25kg
Film Thickness	225 Microns / Coat
Relative Humidity	<99% RH
Place of Manufacture	East Yorkshire, UK

Components

Each unit of Hydraguard consists of one part Epoxy Resin and one part Amine Activator, supplied to mix at the correct Stochiometric ratio.

Coverage Rate

You can typically achieve 20-30m² 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.

Durability

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



System Thickness	Product Composition	Product Size	Substrates to be applied on to	Shelf Life	Colours Available
200 to 250 microns	2 parts 1x Activator 1x Resin	5,kg 10kg or 25kg	Concrete	12 months (in sealed containers)	Standard Translucent Colour
			Wood		
			Porous Tiles		
			Cementitious Screeds		
			Most Primed Surfaces		

Typical Properties

28 days at 20°C

Abrasion resistance (EN 13892-4)	Abrasion resistance (BS 8204-2)	BRE Screed Test
AR 0.5	Special Class	Category A

Adhesive strength to concrete

(BS EN 13892-8:2002)

Dry concrete	7 day old saturated surface dry concrete	Moisture vapour transfer rate
1.5 MPa	3.2 MPa	5mg/m ² /day

Cure Schedule at 20°C

Pot Life	Min Overcoat	Max Overcoat	Full Cure
30 Minutes	16 Hours	48 Hours	7 Days

Substrate Specification

Substrate Preparation

The substrate should be clean, dry and free from contamination. Compressive strength of cementitious based screeds should be at least 25 N/mm² and tensile strength of 1.5 N/mm². Preparation should be carried out to power float concrete, or contamination surfaces using the mechanical preparation method. There is the possibility for the surface finish to mirror the preparation marks, and therefore care should be taken.

Cracks and Movement Joints

Hydraguard can be applied into expansion joints as a form of crack repair. For movement joints, if it is desired for these to remain flexible, we would recommend to in fill using our Liquid Rubber Resin expansion joint filler.

Hydrostatic Pressure

Hydrostatic pressure may, under certain circumstances, cause adhesive failure between the flooring and the substrate. Where this is likely to occur, such as in areas where the ground water table is higher than the substrate, and where external tanking has not been applied, pressure relief must be provided e.g. by direct drainage. In new construction, for concrete bases in contact with the ground, a damp-proof membrane should be incorporated into the slab design, in accordance with the requirements of CP 102, in order to prevent ground moisture adversely affecting the resin flooring. In the case of basement floors in contact with the ground, the provisions of BS 8102 should be followed.



Preparation & application

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 homogeneous, paying special attention to agitate the sides and base of the container. It is essential that the full amounts are mixed together until homogeneous to ensure the product cures correctly and to the desired uniform finish.

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

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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.

Chemical Resistance

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



Health and safety

Vuba Vanguard HD is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

Maintenance and cleaning

Vuba recommend that Vuba Vanguard HD floors should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising a soft bristle brush and Vuba. Industrial Floor Cleaner or similar with dirty water being removed.

EU Directive 2004/42/EC

Complies with category j type SB (< 500 g/l). The VOC content of Pumaprime DPM is approx. 156 g/l (theoretical).



01482 778897

sales@vubagroup.com

vubaresinproducts.com

Vuba Building Products Limited,
Units B2-B4, Grovehill Industrial Estate,
Annie Reed Road, Beverley, HU17 0LF