

FORTIS HYDROFORT™ VB



Fortis Hydrofort™ VB Vapour Barrier is a low VOC, clear, two-pack water-based epoxy vapour barrier designed for use on cementitious surfaces that are subjected to hydrostatic pressure. It has excellent adhesion with tolerance of application over damp surfaces. It helps control rising damp and efflorescence.

Features and Benefits	<ul style="list-style-type: none"> • Hydrostatic resistance >40m • Can be applied over damp concrete • Self-priming • Low odour, low VOC • Long pot life • Easy to roll • Water thinnable • Excellent adhesion • Excellent chemical resistance to alkalis, fair chemical resistance to acids, excellent abrasion and solvent resistance.
Typical Applications	<ul style="list-style-type: none"> • In situ concrete walls & floors • Masonry walls • Plastered walls • As a primer for Fortis Hydrofort™ PU
Properties	<ul style="list-style-type: none"> • Mix ratio: 1-Part A to 1-Part B (vol) • Dry Film Thickness: 44µm per coat • Tack free: 1-3 hours (temperature and humidity dependent) • Thinners: Water • Application temperature: 10-35°C • Pot-life: 3 hours @ 21°C, 6 hours @ 10°C • Coverage Rate: 7-10m²/Litre • Recoat: 3-72hrs • Number of Coats: 2 • Final Cure: 7 Days • Volume solids: 45% mixed • VOC content: <70 g/L
Colours	<ul style="list-style-type: none"> • Clear
Pack Size	4L, 10L kits
Shelf Life	12 months @ 25°C unopened
Safety	<ul style="list-style-type: none"> • Refer to Safety Data Sheet prior to use • Good industrial hygiene practices should be observed at all times • Appropriate PPE should be worn including impervious gloves & eye wear
Storage	Store in cool, dry conditions, out of direct sunlight and in a well-ventilated area. Do not store below 5°C or over 40°C
Surface Preparation	All surfaces to be coated must be sound and free from dirt, grease, oil or other surface contaminants. Holes and non-structural cracks must be filled using a two-component epoxy filler or equivalent. Fortis Hydrofort™ VB can be applied to a damp substrate (not saturated or where there is freestanding water). When the product is to be applied to dry concrete it is advisable to wet the surface with a fine mist of water before application and allow to just surface dry.
Mixing	Fortis Hydrofort™ VB is provided as full kits that can be mixed with care in original packaging. Ensure Part A is mixed thoroughly. Part B is to be added to Part A and mixed at low speed with a Jiffy style mechanical mixer. Care should be taken to

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minimize air introduced during mixing. Mix for approximately 2 minutes until a smooth and creamy emulsion is formed, free of striations. Ensure material from the bottom and edges of the drum are sufficiently mixed. Mix for an additional 2 minutes. **Fortis Hydrofort™ VB** can be thinned 10-15% with water. Do not thin prior to mixing of components A and B.

Application

Fortis Hydrofort™ VB can be applied by brush or roller. A 270mm microfibre 5mm NAP roller cover is recommended. First coat should be thinned with water 10%, with the second coat applied undiluted to achieve an overall dry film thickness of 80 to 90microns.

Ensure coated areas are well ventilated after application, as it is important to remove water released from the wet coating film as quickly as possible. We recommend using forced air or extraction to remove moisture in the air to an outside source. If heating is required, do not use fuel or gas heaters as the combustion introduces more moisture to the area

Clean-Up

Equipment can be cleaned with water immediately after use. Hardened materials must be removed mechanically.

Limitations

Not recommended for exterior use as product will yellow.

Application not recommended below 10°C and RH >85%. Curing and adhesion could be affected if applied outside these conditions. Avoid working in conditions that could cause condensation to form on the uncured coating.

Do not apply mixed product beyond its recommended pot-life.

For further information, including Safety Data Sheets and Technical Bulletins on adhesive applications and surface preparation, refer to the Fortis website www.fortisadhesives.com.au.

Disclaimer - Fortis products should be used in accordance with the information contained herein. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained herein is to the best of our knowledge at the date of publication, Fortis makes no representation about the accuracy of the information. If you need clarification or more information, you should contact Fortis Adhesives & Coatings. Fortis products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Fortis accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Fortis Adhesives & Coatings products or reliance upon the information contained herein.

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Manufacturers of a range of Industrial Adhesives, Floor Coatings and Concrete Repair Systems. From Epoxy to Polyaspartic, Polyurethane to PVA, and with our Industry leading Technical Support, Fortis has you covered.