



Globally Proven  
Construction Solutions

# Vapor Ban Hybrid Primer

Vapor Ban Hybrid Primer is 2-part water dispersed epoxy primer specially formulated to be used as moisture vapour barrier coat for wall and primer coat for the Vapor Ban Hybrid.



## FEATURES/BENEFITS

- Can be applied over new concrete in 5 days
- Fast cure
- Low emission
- Ease of application
- Component of the Laticrete system warranty

## USES

- Ensures protection of moisture/pH sensitive floor coverings
- Use on concrete up to 100% RH / 14 pH
- Ideal for slab-on-grade construction and elevated slabs

## MANUFACTURER

LATICRETE South East Asia Pte Ltd (Level 2, A3)  
No. 38 Sungei Kadut, Street 2, Singapore 729245  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

## STANDARDS/CERTIFICATIONS

- ASTM D4541
- ASTM F2659

### Suitable Substrates

- Concrete Slabs
- Polymer cement screed

### Packaging

Primer

Part A: 10kg

Part B: 20kg

### Coverage

One set of Vapor Ban Hybrid Primer yield a coverage of approximate 90m<sup>2</sup> at 0.25mm thick per coat.

Estimated consumption of Primer depending on the surface absorption, roughness, loss and wastage.

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored off the ground in a dry area, at temperatures 0 - 43 °C.

### Limitations

- Not for use over any other substrates, e.g. Magnesium based screed / concrete other than concrete slabs cured for a minimum of 5 days at 70°F (21°C)
- All existing expansion joints, cold joints and control joints must be brought up through the and the finish. Failure to honor movement joints will result in cracking and/or loss of bond.
- Laticrete is not responsible for moisture vapor emission from any movement joints, existing cracks, new cracks that may develop or voids in the **Vapor Ban Hybrid** in the concrete slab after the system has been installed.

### Cautions

Before using any LATICRETE product:

- Check [se.laticrete.com](http://se.laticrete.com) for any technical bulletins or updated information about the product and its application
- Contact your local LATICRETE Technical Sales representative with any questions
- Consult MSDS for more safety information
- Resinous products is harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.
- Cementitious based fillers causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
- Once material is fully mixed the reaction may generate high heat if left in mixing container for an extend period of time.
- Do not take Internally
- Keep out of reach of children

### TECHNICAL DATA

#### Performance Properties

Test	Test Method	Results
Pull off Adhesion Strength	ASTM D4541	> 4N/mm <sup>2</sup>
Negative vapor permeability (After 24 hours)	ASTM F2659	< 4% MC

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

### INSTALLATION SYSTEM

#### Surface Preparation

##### Installation over Concrete Slabs

Concrete slabs must be clean, structurally sound, absorptive, and have an ICRI concrete surface profile (CSP) of 3 - 5. All dirt, oil, paint, laitance, efflorescence, sealers, curing compounds and any other bond breaking contaminants must be removed by shot blasting or other mechanical means then swept and vacuumed clean. Use of chemicals to remove contaminants is prohibited. Use of sweeping compound is not recommended as they may contain oil which can act as a bond breaker. Do not use over gypsum or asphalt based products. Water drop test is recommended prior to application of **Vapor Ban Hybrid** Primer. If the water drop test yields a non-suction results where the water beads up and does not absorb, please contact LATICRETE Technical Sales Representative. Surface temperature must be 10-32°C during application and for 24 hours after installation. In all cases, the surface temperature of the prepared concrete slab must be warm enough to avoid condensation on the surface of the concrete.

#### Joints, Cracks, Surface Depressions and Other Irregularities

All joints and cracks should be evaluated and repaired if necessary prior to installation of **Vapor Ban Hybrid**. A good crack repair technique depends on knowing the causes and selecting appropriate repair procedures that take these causes into account. Repairing a crack without addressing the cause may only be a temporary fix. Successful long-term repair procedures must address the cause of the crack as well as the crack itself. Refer to ACI 224.1R for guidance on evaluation and repair of cracks in concrete. Laticrete product application over moving cracks and joints is not recommended.

1. Moving joints (e.g. expansion joints, isolation joints, etc.) and dynamic cracks must be honored up through the **Vapor Ban Hybrid**. Laticrete is not responsible for vapor emission through untreated joints or for areas where cracks may develop later.

2. All non-moving joints and dormant cracks (e.g. saw cuts, surface cracks, grooves, etc.) must be cleaned out and free of all loose debris. Non-structural cracks up to 3 mm in width can be filled with **Vapor Ban Hybrid** during main application. Inspect these areas to ensure cracks are completely filled with no voids.

3. Non-moving joints, dormant cracks greater than 3 mm wide, can be patched with mixture of **Vapor Ban Hybrid** incorporates with Anti-Fracture Fabric. Place the Anti-Fracture Fabric over the crack and saturated with **Vapor Ban Hybrid Primer**, leave it to cure. Slowly pour the mixture of **Vapor Ban Hybrid** onto the prepared surface, using the flat side of a trowel force the mortar into the crack. Surface crazing and hairline cracks do not need to be treated. Construction joints, expansion joints and large moving cracks that have lost aggregate lock (one side of crack is higher than the other) have structural implications and cannot be repaired using this method.

### Mixing

#### Primer: **Vapor Ban Hybrid Primer**

Before using, store resins at room temperature 65-85°F (18-30°C) for 24 hours to ensure ease of mixing. Mix components A and B to a ratio of 1:2 by weight (components are packaged into the pails to the specified ratio). Pour the A component into the larger B component steel pail. Verify that all of the Part A liquid is drained from pail.

Mix with a slow speed drill (<300 RPM) with a helical blade for 1 to 2 minutes, assuring mixture is fully uniform and that all ribbons of contrasting shade are completely eliminated. Pour the fully mixed material onto the substrate immediately after mixing.

### Application

Pour ribbons of **Vapor Ban Hybrid Primer** onto the prepared concrete and spread using appropriate round or square notch squeegee that is designed to apply the desired mil thickness in a single coat. Apply an even coat making sure to cover all areas thoroughly. Immediately following, while epoxy is still wet, use a high quality 3/8" (9 mm) nap non-shedding paint roller to back-roll at 90° from the squeegee direction to help ensure full coverage and uniform thickness.

### **Vapor Ban Hybrid**

Before using, store resins at room temperature 65-85°F (18-30°C) for 24 hours to ensure ease of mixing. Mix components A, B and C to a ratio of 1.5:3.5:20 by weight (components are packaged into the coated metal tin can to the specified ratio). Pour the A component into the larger B component steel pail. Verify that all of the Part A liquid is drained from coated metal tin can.

Mix with a slow speed drill (<300 RPM) with a helical blade for 3 minutes, assuring mixture is fully uniform and that all ribbons of contrasting shade are completely eliminated. Add Part C filler into the mixing pail and mix for another 1 to 2 minutes until the mix is homogenous. Pour the fully mixed material onto the substrate immediately after mixing.

### Application

Pour the **Vapor Ban Hybrid** onto the prepared concrete and spread using appropriate clearance control notch squeegee that is designed to apply the desired mil thickness in a single coat. Apply an even thickness making sure to cover all areas thoroughly. Immediately following, while epoxy is still wet, apply spike roller to release entrapped air, to ensure smooth and uniform thickness.

### AVAILABILITY AND COST

#### Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

#### Cost

Contact a LATICRETE Distributor in your area.

### WARRANTY

LATICRETE South East Asia Pte Ltd warrants that **Vapor Ban Hybrid Primer** is free from manufacturing defects and will not to break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to terms and conditions stated.

### MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

### TECHNICAL SERVICES

#### Technical Assistance

Information is available by calling:

LATICRETE South East Asia Pte Ltd  
(Level 2, A3)

No. 38 Sungei Kadut, Street 2,  
Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

#### Technical and safety literature

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)