



**On the job, time is money –**  
for you and your customers.  
TEC® products are engineered to  
save you time, without sacrificing  
performance.

Use **TEC Surface Preparation** products and  
install your vinyl, carpet or wood flooring in  
one day:

- 1. Mitigate moisture:** With LiquiDam™,  
no shot blasting required for clean,  
sound concrete\*
  - a.** Shot Blasting: \$.75-3.00 per  
square foot additional cost
  - b.** Cures within 4-5 hours
  - c.** Only one coat needed
  - d.** Specially formulated for damp or new  
concrete – as little as 48 hours old
- 2. Prime:** Multipurpose Primer is the only  
primer you need for all approved substrates\*,  
and can be used to install tile on metal and  
tile over tile.
  - a.** Dries in one hour
- 3. Prepare Surface:** Our Feather Edge  
Skim Coat is a rapidly setting compound  
that allows you to install most floor coverings  
quickly.
  - a.** Excellent for use over most substrates
  - b.** Provides a suitable surface for even  
the most demanding floor coverings,  
such as VCT, sheet vinyl, etc.
- 4. Install Flooring**

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\*Refer to the product data sheet for details.



**1 7:00am**

**Apply LiquiDam -  
Penetrating Moisture  
Vapor Barrier**



**2 12:00pm**

**Apply Multipurpose Primer**



**3 2:00pm**

**Apply TEC Surface Preparation**



**4 5:00pm**

**Install Flooring**



# LiquiDam™ Penetrating Moisture Vapor Barrier

TEC® LiquiDam™ is a low viscosity, high penetrating, two-part 100% solids epoxy. It is specially formulated to be applied to damp or new concrete, as little as 48 hours old, with a moisture vapor emission rate (MVER) less than or equal to 25 lbs. per 1,000 ft² per 24 hours (0.12 kg/m² per 24 hours) or a maximum relative humidity of 100%. It is designed to reduce the MVER to less than 3 lbs. per 1,000 ft² per 24 hours (0.015 kg/m² per 24 hours).



❌ Grinding or shot blasting may not be required\*



One coat application



Fast drying formula allows for same-day installation

## Features and Benefits

- Meets ASTM F3010 product requirements for moisture mitigation systems under resilient floor coverings
- Less than 0.10 Perm Rating (ASTM E96)
- Direct application onto green concrete up to 100% RH
- Shot blasting may not be required\*
- Can be installed over burnished concrete
- Permeates to fill voids and gaps
- Same day flooring installation – cures within 4-5 hours
- Only one coat needed
- Zero VOC contributes to LEED® project points

## Packaging

Two part system components packaged in a 2 gallon pail as follows:

Part A: .67 gallon (2.5 L) in a foil pouch

Part B: .33 gallon (1262 mL) plastic jug

1 gallon (3.79 L) net contents - Product #10016188



Conforms with LEED v4 low emitting interiors.  
Compliant with (CDPH) Standard Method v1.2 VOC Emissions.

\*On clean, sound concrete. Refer to the product data sheet for details.

## Coverage

LiquiDam requires only one coat with a typical coverage rate of 150 ft² per blended gallon (3.7 m²/L).

Coverage will vary depending on surface profile and porosity, ranging from 100-180 ft² per blended gallon (2.5-4.4 m²/L). The finished application must cover the substrate completely without any voids or pinholes to ensure moisture vapor suppression.

## Technical Data

In Use Performance	Typical Results
Percent Solids	100%
Maximum Allowable Moisture Vapor Emission Rate	25 lbs. per 1,000 ft² per 24 hours (0.12 kg/m² per 24 hours)
Adhesion (ASTM D7234)	400-500 psi (2.76-3.45 MPa) (100% concrete failure)

## Physical Properties

Description	
Pot Life	25 minutes
Floor Installation Time [at 70°F (21°C), 50% RH]	4-5 hours
VOC	Part A: 0 grams/liter Part B: 0 grams/liter

## Suitable Substrates

New or existing concrete with a maximum RH of 100% or MVER of 25 lbs. per 1,000 ft² per 24 hours (0.12 kg/m² per 24 hours).

To learn more, visit [TECspecialty.com](http://TECspecialty.com)



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