

VAPORSHIELD 100™

A TRAXXSHIELD™ PRODUCT

1. Product Name

- VaporShield100 Rolled Moisture Barrier

2. Manufacturer

Traxx Corporation
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3. Product Description

Basic Use

VaporShield 100 is a rolled moisture barrier that loose lays over concrete subfloors, thereby suppressing the moisture vapor emission up to 100 percent relative humidity, and providing protection against a pH of 12.

Composition and Materials

The VaporShield100 32 mil membrane has two layers:

- A bottom layer of nonwoven polyethylene that provides the moisture vapor suppression
- A top layer of mineral composition that provides a suitable surface for applying floorcovering adhesive; promotes a strong bond of the floorcovering

Benefits

Suppresses Water Vapor Emission From Concrete Up To 100% Relative Humidity

- Stops alkalinity, re-emulsifying of adhesive, mold/mildew and most flooring damage from moisture—stops pH up to 12
- Tested per ASTM E96 to measure permeance

Installation Method

- VaporShield100 rolls out and loose lays over the concrete slab
- Quick and easy, as floor is installed in one day (not several days of installation time as with two-part epoxy systems)
- No curing time
- Perfect when planning periodic floor removal
- Easily installed over existing hard surface floor coverings



Saves Money, Labor And Time

- Cost of job is reduced by as much as 50 percent as compared to 2-part epoxy systems
- Finished floor tiles can be laid immediately after VaporShield100 is installed
- No downtime—can eliminate days from the project schedule
- Little waste and no clean up

Install A Variety of Flooring Products Over VaporShield100

Install under vinyl composition tile, luxury vinyl tile/plank, solid vinyl tile, static dissipative tile, ceramic tile, carpet tile and laminates.

Mold And Fungus Resistant (Tested per ASTM D3273)

- Benefits the healthcare and food service industries

Environmentally Safe

- No fumes, no dust, no VOCs

Dimensions and Weight

- The 720 square foot rolls are 5 × 144 feet
- Minimum Basic Weight: 13.7 lbs/100 ft²
- Minimum Thickness: 32 mils (0.032 inch)

Accessories

- VaporShield100 Seam Tape
 - 4-inch wide double-sided tape is adhered to the concrete slab under the VaporShield100 seam line
 - 2½-inch wide Topside Seam Tape over VaporShield100 to seal off the seam

4. Technical Data

Applicable Standards

American Society of Testing and Materials (ASTM)

- **ASTM D3273** Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
- **ASTM E96-16** Standard Test Method for Water Vapor Transmission of Materials
- **ASTM E648** Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
- **ASTM E662** Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
- **ASTM F970** Standard Test Method for Static Load Limit
- **ASTM F2170** Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

Typical Properties: Performance

- Permeance per ASTM E 96: <0.05 perm
- Maximum pH: 12
- Mold and Fungal Resistance per ASTM D3273
- Fire Test Data: Flame Spread ASTM E648 (1.13 w/cm², exceeds Class I as specified in NFPA Life Safety Code 101)
- Smoke Density per ASTM E662 (<450, Passes Standard for Flaming and Non-Flaming)
- Static Load Limit per ASTM F970 (Meets VCT/LVP Manufacturer specifications)
- Application Temperature: 60–90 degrees F

5. Installation

Follow VaporShield100 installation instructions available on www.traxxcorp.com.

6. Availability and Cost

Availability

Distributed in over 500 branch locations across the United States and Canada. Product leadtime is less than one week.

Cost

Please contact manufacturer regarding pricing.

7. Warranty

Ten-Year Warranty offered to protect against moisture vapor damage to the floor covering after installation. VaporShield100 does not degrade.

8. Maintenance

Keep top surface free from dust and debris after installation in order to maintain good bonding of floor covering adhesive.



9. Technical Services

Contact Traxx Corporation, Technical Services at 909-623-8032

10. Filing Systems

- ConstructConnect
- Additional product information is available from the manufacturer upon request ↗