



# Vapor Shield

Chemical Hardener - Densifier - Soluble Chloride Reducer



Reduces Moisture Vapor Transfer

Interior / Exterior

## Advantages

- Blocks moisture vapor transfer
- Hardens and densifies concrete
- 24 hour cure time
- No negative effects on adhesion of coatings, mortars or adhesives
- Will not affect color of substrate
- Reduces concrete cracking
- Zero VOCs formulation
- Easy application

## Usage

*Vapor Shield reduces vapor emissions for application of surface coatings such as polyurea, epoxy and urethane coatings; this includes carpet, floor tile, sheet vinyl and hardwood flooring materials. It halts corrosion and oxidation due to attacks from salt-air and humidity creating a more stable longer-lasting substrate.*

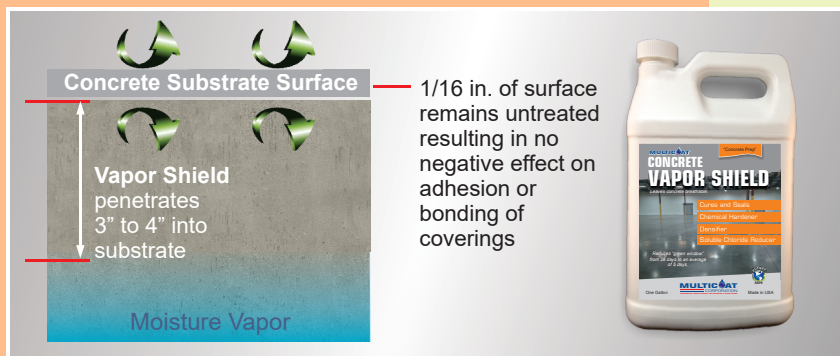
*Ideal for new construction and an excellent concrete preparation for existing concrete substrates.*

## Technical Data

*Vapor Shield is a non-flammable, non-acid concrete sealer that strengthens and internally waterproofs cementitious materials.*

Read entire label before using.

- The surface being treated should be pre-dampened with water using a very light mist prior to application of Vapor Shield.
- Application temperature 40-100F.
- Surface must be free from oils, grease, curing agents, coatings, sealers or any product that would inhibit Vapor Shield.
- Apply with low pressure pump sprayer careful to avoid over-application and puddling on horizontal surfaces.
- Excess unreacted Vapor Shield will leave white crystals on concrete; simply brush or broom to a more porous area.
- Ask for Multicoat's illustrated "**How to Apply Vapor Shield**" training sheet to clarify application procedures.



## Vapor Shield

Concrete Preparation





# How to Apply Vapor Shield on Concrete Surfaces



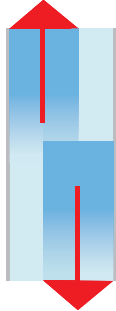
## Horizontal Surface Application

First Application



Apply **Vapor Shield Left to Right** with a 50% overlapping spray pattern

Second Application



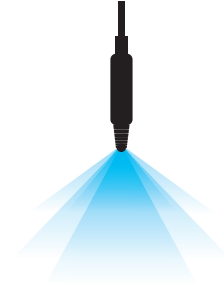
After first application, you may apply **Vapor Shield Up and Down** with a 50% overlapping spray pattern over the same area

After Second Application



Sweep or squeegee off any excess puddling or pools of product. (to avoid excess from crystallizing)

Critical Final Step



Spray the entire area with a very light mist of clean water

**Surface MUST be misted**

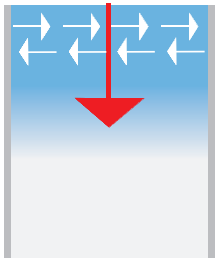
\*\*\*Any area that absorbs sealer more quickly will require additional coats

**12 Hours**

12 hour minimum cure time

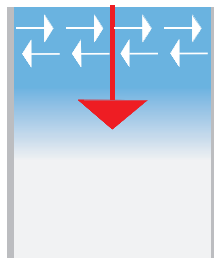
## Vertical Surface Application

First Application



Apply **Vapor Shield from Top to Bottom** using Left to Right with a 50% overlapping strokes progressing downward

Second Application



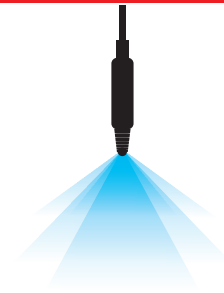
After first application, you may apply **Vapor Shield** with a second even coat

After Second Application



Sweep or squeegee off any excess product buildup areas (to avoid excess from crystallizing)

Critical Final Step



Spray the entire area with a very light mist of clean water

**Surface MUST be misted**

\*\*\*Any area that absorbs sealer more quickly will require additional coats

**12 Hours**

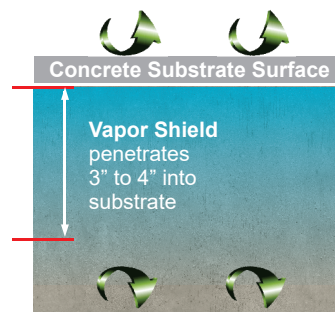
12 hour minimum cure time

## How Vapor Shield Works

Blocks Moisture Vapor Transfer to acceptable levels (up to 15lbs.) Hydrostatic Pressure (up to 10 psi)

Blocks radon gas emissions

Eliminates new mold and mildew growth



1/16 in. of surface remains untreated resulting in no negative effect on adhesion or bonding of coverings