

REPELZ WATERBASED MOISTURE VAPOR SUPPRESSOR

Product #**A34001 – 1 gallon jug****A34005 – 5 gallon pail****A34055 – 55 gallon drum****Description:****REPELZ WMVS**

(Waterbased Moisture Vapor Suppressor) is a waterbased polymer coating that protects concrete floors from

moisture mitigation and water vapor infiltration. REPELZ WMVS passes ASTM E96 moisture mitigation testing as a Class 1 water vapor barrier. This product is BPA free, zero VOC, and water based making it acceptable in any healthcare, municipality, or occupied environments.

Uses: Apply to concrete surfaces with known water vapor issues before installing wood, carpet, overlays, or other flooring systems.



Advantages:

- **WATERBASED**
Easy clean up. Just use soap and water!
- **OUTSTANDING ADHESION AND DURABILITY**
Long-lasting and bonds extremely well to properly prepared concrete surfaces.
- **NO DANGEROUS CHEMICALS**
Does not contain any harmful, hard to use chemicals such as epoxy resins or corrosive amines.
- **ASTM E96 CLASS 1 VAPOR BARRIER RATING**
Tested by CTL labs – the industry's leader in moisture vapor suppression coatings testing.
- **BLUE FOR INCREASED VISIBILITY**
To ensure even and complete coverage, REPELZ Waterbased Moisture Vapor Suppressor is tinted blue, making it easier to see during application.

Shelf Life: 1 year in unopened container stored between 50°F - 90°F

Preparation: REPELZ WMVS can be used on all uncoated concrete surfaces where protection from water vapor and moisture are desired. All loose surface dust and debris must be removed prior to application. Any cracks wider than 1/16 of an inch must be filled or sealed prior to application. Movement joints must be filled with manufacturer approved products prior to installation of REPELZ WMVS.

Concrete surface should be clear of any former coatings, adhesive, laitance, or residue and applied to a clean, dust free concrete surface with Concrete Surface Profile (CSP) not to exceed CSP6. A CSP of 1 to 4 is optimal.

This product is approved for all concrete surfaces with up to 100%RH. Contact a FBC Chemical sales representative for concrete exhibiting a CSP over 6, as the use of Repelz MVS Epoxy should be used. Additionally, a trial adhesion test must be completed prior to completion to ensure proper adhesion.

For best results, avoid applying in foggy, rainy, or excessively hot weather. Apply between 50°F - 90°F.

Mixing: REPELZ WMVS is ready to use from container and no mixing is required. Do not thin.

Application: REPELZ WMVS is tinted blue for ease of application and can be applied via brush, or roller. Apply two 90-degree angle applications of 8-10 wet mils to ensure a complete, monolithic layer of the coating has been applied to the surface. Allow 30-60 minutes of dry time prior to applying the second coat. Apply the second coat at a 90-degree angle to the first coat. Avoid puddling of material. Must apply two coats to obtain a Class 1 moisture vapor permeability rating (ASTM E96).

Coverage Rate: First Coat 160 - 200 ft²/gallon
Second Coat 160 - 200 ft²/gallon

*NOTE: Coverage rates will vary depending on CSP and absorbency.

PROPERTIES:

SPECIFICATIONS – Apply in two coats to meet the requirements for Class 1 moisture vapor permeability rating as per ASTM E96 (0.10 perms), ASTM F1869, ASTM F3513, ASTM F3010-13.

Dry to touch	<1 hour
Recoat Time	Minimum 1 hour
Time Before Overlay Application	<1 hour after second coat
VOC (g/l)	Zero to trace amounts
Perm Rating (ASTM E96)	<0.10 perms (0.06 perms after 2 coats @ 8-10 mils wet.

Cleaning and Removal: Clean tools and equipment with ALCM Power Clean or with soap and water.

Precautions: Avoid puddling of material. Do not thin. Read and understand product SDS prior to use. Do not wait longer than 24 hours to apply the second coat. Moving joints must be sealed following manufacturer specifications and guidelines. Do not apply in standing or puddled water. Do not apply in cold temperatures (<50 °F). Avoid applying in high heat (>90 °F). If flooring installation step will be delayed, protect coated surface from construction debris and dust. Contact ALCM sales and technical service for any questions regarding the application of this product.

**Visit alcm.com for info on
our entire product line.**