



**GREEN ICE™**  
CONCRETE CURE SYSTEM

**MB5**  
Moisture Vapor  
Mitigation System

Green Umbrella Systems provides a combination of a topical treatment and a concrete admixture that stops moisture related coating issues, including flooring. Flooring Failures, project delays due to failed moisture testing and unnecessary Topical treatments occur on nearly 100% of all commercial projects.

Many people ask, "Why wasn't this an issue 19 years ago and now we have to spend money and time solving this problem?"

- 1999-EPA limits VOC's in construction materials
- o Inside the building envelope
- Coatings, Sealants & Adhesives
- o Reformulated as Water-Based Materials
- Water-Based Products have no Tolerance for Water
- Concrete is "damp"
- o Free/Extra Water Leaves Concrete
- Water Collects Underneath flooring, cardboard boxes, pallets, anything on the floor
- o Water-Based Adhesives Fail
- o Flooring Fails!

Presently the moisture related failure and treatment option market is estimated to involve 600 Million SF each year.

- Current Solutions Cost \$5-8 a SF

This is unnecessary with the use of our Moisture Vapor Reducing System.

- Pro-active, inexpensive, concrete enhancing

The OTC (Ozone Transport Commission) is appropriately reducing VOC limits, this time, **outside the Building Envelope** which will bring a whole new host of Water-Based material problems:

Our MB5 Admixture and Green Ice topical treatments will solve this problem as well.

Our topical treatment is the most effective at solving this problem as well.

#### **MAJOR ADVANTAGES OF Moisture Block/Green Ice PRODUCTS**

**Stops the route of MVE (moisture Vapor emission)**

**Allows the use of water-based moisture sensitive coatings and adhesives**

**Treatment is permanent and integral**

**Increases concrete density and hardness**

**Improves the bonding of cementitious toppings, coatings and paint**

**Reduces or eliminates efflorescence and leaching in concrete**

**Effective in reducing freeze-thaw and salt spalling**

**Prevents chemical corrosion and physical abrasion of the treated surface**

**Solvent free, odor free, non-toxic and non-flammable**

**Ultra violet stability**

**Stops rebar corrosion**

**As much as 400% increased abrasion resistance**

**Reduces curling**

**Reduces shrinkage cracking**

**Allows placement in hot weather**

**More cream to work for better FF numbers.**

**The surface is 9 or less pH, required for flooring installation.**