



## **DECO-PROTECT COLLECTION**

**with Moisture Block Technology**

Every building owner wants the lowest total cost without the risk of failure. Milamar designed its Deco-Protect Collection to provide an effective barrier against high rates of moisture emission without the extra cost and without additional installation steps.

## Concrete - Solid, Unyielding

The term “concrete” has some misleading connotations in the English language. Architects, engineers, and builders know that concrete is porous and permeable, and water is one of its essential ingredients.

**Moisture vapor transmission in the concrete slab can cause any flooring material to fail.**

This includes carpet, tile, polished concrete, and polymer floor coatings. Excessive moisture can cause damage through expansion, efflorescence, adhesive release, bond failure, and other destructive effects.





Every concrete slab has a unique profile based on its formula, sub-soil, placement, finish and cure. Concrete moisture testing provides guidance on whether moisture mitigation is necessary.

The standard assessment methods are the calcium chloride (CaCl) test for moisture vapor emission rate (MVER) and the in-situ relative humidity (RH) test. Both tests have drawbacks.

Testing is performed just prior to installation of the floor covering. Given the new complexities of fast track construction, environmental regulations, advances in chemical technologies, and evolving installation methods, moisture tests may not be adequate in every situation.

**Moisture Block Technology provides protection against uncertainty.**



When special moisture mitigation steps are required before a flooring system can be installed, the material and labor costs increase, and timelines get longer. Milamar's Deco-Protect Collection with Moisture Block Technology eliminates this additional expense from the project. No additional moisture treatment is required with calcium chloride (CaCl) test results below 10 lbs. per 1,000 sq. ft moisture vapor emission rate (MVER).

**Moisture Block Technology is an effective barrier against high rates of moisture emission without additional installation steps.**

## Seamless Resinous Flooring - A Smart Design Choice

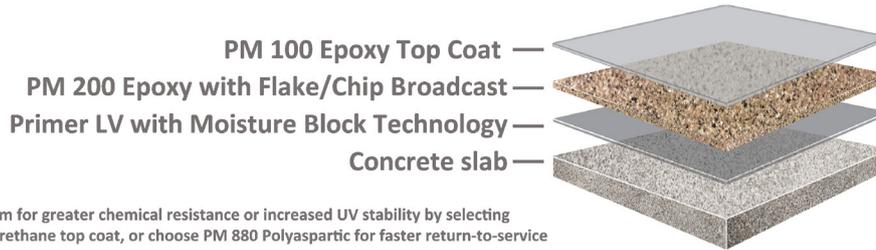
- Easy-to-clean and sanitize
- No seams to harbor dirt, bacteria or stains
- Very good chemical and stain resistance
- Spills and splashes wipe clean
- Longer lasting than carpet, tile and other options
- Durable wear-resistance against abrasion and impact
- Safe surface with customizable levels of slip-resistance
- Comfortable surface during prolonged standing
- Finish can be slightly textured or glass smooth
- Eco-friendly, low VOC
- Complies with EPA, state and local regulations
- Extensive color palette for creating custom looks





# DECO-PROTECT COLOR FLAKE

An economical system with excellent return on investment. Color flakes create the natural look of granite or terrazzo at a fraction of the price and without the constant maintenance.



## Where to Use:

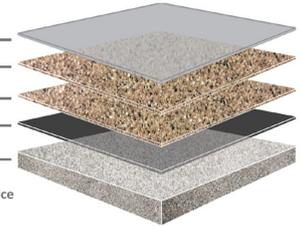
- School classrooms and common areas
- Health care exam rooms
- Office areas, lobbies and halls
- Nursing homes and dormitories
- Passenger transportation terminals
- Retail stores
- Restaurant and cafeteria seating areas
- Restrooms, garages and utility rooms
- Light and medium duty production areas
- Balconies, patios and decks



## DECO-PROTECT COLOR QUARTZ

Two layers of epoxy embedded with quartz aggregate create a thicker system than the Deco-Protect Color Flake floor. The result is a system with greater impact and wear resistance.

- PM 100 Epoxy Top Coat —
- PM 100 Epoxy with Quartz Broadcast —
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- Primer LV with Moisture Block Technology —
- Concrete slab —

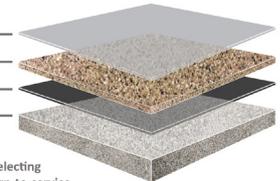


Customize this system for greater chemical resistance or increased UV stability by selecting Milamar's PM 500 Urethane top coat, or choose PM 880 Polyaspartic for faster return-to-service

## DECO-PROTECT TROWELED COLOR QUARTZ

The epoxy resin and quartz are applied in a single step. Over large areas a power-trowel can be used. This may mean a faster turn-around time for the project. An integral cove-base and curbs can be installed for a completely seamless area.

- PM 100 Epoxy Top Coat —
- PM100 Epoxy with Trowel-Grade Decorative Quartz —
- Primer LV with Moisture Block Technology —
- Concrete slab —



Customize this system for greater chemical resistance or increased UV stability by selecting Milamar's PM 500 Urethane top coat, or choose PM 880 Polyaspartic for faster return-to-service

## Where to Use Quartz:

- Institutional showers, locker-rooms and restrooms
- Commercial kitchens and food service areas
- Surgical prep areas and laboratories
- Hospital and clinic operating rooms
- Correcitonal facilities
- Manufacturing process areas
- Fire, rescue and EMS
- Marijuana dispensary, grow and retail operations
- Automobile service areas
- Animal shelters and veterinary clinics
- Salons, spas and fitness centers



You make hundreds of  
decisions every day

**This  
one  
is  
easy**



## **The most important aspect of selecting a protective coating is choosing a manufacturer with formulating expertise and application skill.**

There are a myriad of recipes for epoxy coatings in the marketplace. Their quality and properties can differ widely. Different resins and curatives can be combined to achieve desired performance properties, and other additives can further optimize a system. Ideas that work in the lab may fail miserably in harsh environments or be difficult to install.

## **Milamar's mission is to develop coating systems that maintain their performance properties in real-world field conditions.**

Our continuous improvement methodology drives development of rigorously tested solutions that meet the demands of changing environmental legislation and evolving customer requirements. The Deco-Protect Collection with Moisture Block Technology is just one of many Milamar systems that reflect our thoughtful approach to formulating cost-effective solutions to the problems you encounter in project execution.

## **Our range of technologies is broader than any single protective coatings manufacturer in the world.**

This means Milamar can be your sole source for identifying the complete range of protection solutions for your facility, unlike our competitors whose product lines are limited. Our technical support includes specifications, color and texture samples, and referrals to our network of trained applicators.

The success of our company depends upon the success of your project.  
That's why we're passionate about consultation and support  
throughout every phase of your project's lifecycle.

## GET IN TOUCH



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