

**concrete floor  
systems**

**UV-HS+PLUS**  
PROTECTION THAT LIVES ON  
**MICROBAN**

Protection At The Speed Of Light



## DiamoPro® Systems UV-HS Plus

Clean, Resilient Floors for Food Processing Operations

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**UV-HS PLUS**  
MICROBAN



*DiamaPro Systems UV-HS Plus is one part, no mixing needed. It comes in 1 gallon or 5 gallon sizes and has an extremely long shelf life.*

*DiamaPro® UV-HS Plus is a revolutionary floor coating that is bringing new levels of sanitation and durability to food processing operations while reducing maintenance cost and enhancing value. Unlike thick, trowel-down systems, DiamaPro UV-HS Plus is a urethane protective coating that achieves unprecedented chemical, acid, moisture and abrasion resistance that far exceeds other types of floor coating systems. Equally important, DiamaPro UV-HS Plus with Microban® ensures optimum sanitation and cleanliness. Take a look at these benefits.*

- Microban® Anti-Microbial Protection
- Instant Curing
- Unsurpassed durability
- Inherently safe
- Easy Maintenance
- Moisture Control
- Color Stripping System



#### MICROBAN® ANTI-MICROBIAL PROTECTION

Microban® is an EPA-registered anti-microbial technology that is integrated into DiamaPro UV-HS Plus and DiamaPro DiamaJoint Fill Plus to ensure an added level of protection against stain and odor-causing bacteria at the surface and bacteria, mold and mildew deep within the control joints. Microban inhibits the growth of microorganisms by penetrating the cell wall and disrupting biochemical functions, eliminating the ability for cells to reproduce. Microban protection is engineered to provide continuous antimicrobial protection for the lifetime of the DiamaPro UV-HS Plus protective coating and DiamaPro DiamaJoint Fill Plus.

#### INSTANT CURING

DiamaPro UV-HS Plus cures instantly upon exposure to high intensity ultraviolet light, so it can be applied and cured with minimal interruption of service. Floors can be immediately returned to full service without losing valuable operational time waiting for curing to take place at the initial installation and refurbishing phase.

#### DIAMAPRO™ UV-HS PLUS WITH MICROBAN... A WHOLE NEW LEVEL OF PROTECTION



*Protected surface*



*Unprotected surface*

Microban® is a proprietary bactericide, and antimicrobial that stops the growth of microbials. DiamaPro™ UV-HS Plus begins resisting bacteria as soon it comes into contact with the floor, attacking the reproductive systems of the organisms to eliminate growth. It keeps floors cleaner by preventing damaging microbial growth before it can start.

#### UNSURPASSED DURABILITY

DiamaPro UV-HS Plus protective coating delivers extreme resistance to physical abrasion, moisture penetration, and chemical attack of concrete floors. The coating forms a thin, uniform film of cross-linked polymers that is virtually impervious to liquid penetration, that will not chip, or peel. With routine

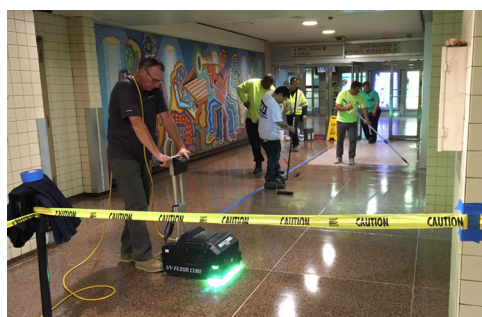


Employee and visitor safety in your facility will always be an important issue. Keeping danger areas free from unwanted traffic or directing traffic within a safety zone is a method to ensure human safety.

cleaning, DiamaPro UV-HS Plus outlasts other systems, extending the value of your flooring investment.

### INHERENTLY SAFE

DiamaPro UV-HS Plus may be cured at any temperature, requires no primer coat, and can be recoated in half the time it takes to initially install the system. It has a low VOC content of <3 g/L and is virtually odor free. Inhalation and flammability hazards are essentially non-existent. The cured surface meets National Floor Safety Institute certifications for the coefficient of friction, ensuring maximum pedestrian safety. In extremely wet areas where additional traction is required, a blended aluminum oxide aggregate can be added prior to curing to enhance the grip of rubber boots on wet floors.



### MAINTENANCE

DiamaPro UV Systems coatings are impervious to cleaners and do not become slippery after proper cleaning. Cleaning agents may be selected according to the contaminant to be removed and will not compromise the DiamaPro UV-HS Plus coating. When the system needs to be recoated, a good deep cleaning, mechanical screening, and a one coat application brings it back to the original protection level. No more scraping, chipping hammers or heavy grinders will be required during this process.

### MOISTURE CONTROL

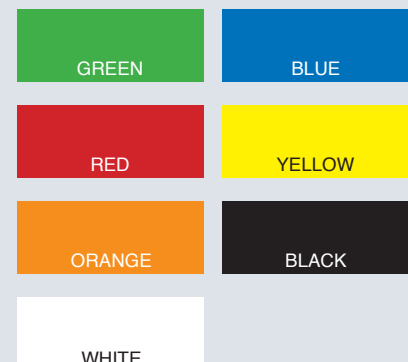
DiamaPro Moisture Control is a waterproofing sealer that contains an anti-microbial agent which controls moisture migration in concrete floors. Whether installing on a new concrete floor or sealing an existing floor, DiamaPro Moisture Control creates a strong barrier that eliminates sweating, wicking, dusting and flaking, increasing the integrity and bonding power of DiamaPro UV-HS Plus.

All steps of DiamaPro UV-HS Plus application being performed simultaneously - Squeegeeing, rolling and curing. No downtime between steps is needed. Wet coating cures immediately.

### COLOR OPTIONS AND STRIPING SYSTEM

DiamaPro DiamaColor dye is a coloring agent that penetrates concrete floors and imparts color to achieve a variety of practical or aesthetic requirements. The dye is available in a range of colors to complement building interior designs and color themes.

The DiamaPro Line Striping System is a waterborne, UV-cured color coat, and UV-cured clear, protective topcoat used to mark pedestrian traffic and safety zones. Each coat cures immediately upon exposure to ultraviolet light with no lost time waiting for striped areas to cure. The DiamaPro Line Striping System is available in seven safety colors.





## EQUIPMENT AND TREATMENT PRODUCTS

Diamapro Systems offers an extensive line of penetrating chemical treatment products applied during the refurbishing process, including:



### DIAMAPRO UV-HS FLOOR COATING

#### **Microban® infused UV coating**

Diamapro UV-HS Plus is an ultraviolet light-cured urethane coating that imparts exceptional abrasion and chemical resistance to floors. The coating is infused with Microban® antimicrobial technology to provide an added level of protection against microbes such as stain and odor-causing bacteria. Diamapro UV-HS Plus is available in gloss and matte finishes.



### DIAMAPRO LINE STRIPING

#### **UV cured line stripping system**

The Diamapro Line Striping System is a waterborne, UV-cured color coat, and UV-cured clear, protective topcoat used to indicate pedestrian traffic and safety zones. Each coat cures immediately upon exposure to ultraviolet light with no lost time waiting for striped areas to dry. The Diamapro Line Striping System is available in seven colors.



### DIAMAPRO DIAMAHARD SILICATE HARDENER

#### **Improves surface performance**

This lithium densifier is applied to fill microscopic pores in the concrete. Diamahard® Silicate Hardener crystallizes in a chemical reaction with the concrete to fill voids and produce a smooth, reflective surface.



### DIAMAPRO DIAMAJOINT FILL PLUS

#### **Joint filler with Microban®**

Diamajoint is designed to fill and protect saw cut contraction joints in concrete floors. Diamajoint is infused with Microban®, an antimicrobial additive that helps prevent the growth of bacteria that causes stains, odors and product deterioration.



### DIAMAPRO DIAMAGROUT

#### **Reactive Surface Grout and Pin Hole Filler**

This resinous grout is used to fill pinholes and fine cracks in the top layer of concrete to produce a smooth, tight, highly reflective, once polished and easy-to-clean surface.



### DIAMAPRO DIAMACOLOR

#### **Micro Water/Solvent-Borne Dye**

This coloring agent penetrates and imparts color into the concrete surface to achieve a variety of aesthetic designs. It is available in a wide spectrum of colors to complement building interior designs and color themes.



### DIAMAPRO DIAMAGUARD

#### **HG Stain and Water Protection (high gloss)**

Diamaguard HG Stain and Water Protection is applied after refurbishing to protect concrete from potential staining due to spills, leaks and surface water. High gloss finish enhances the reflectivity of the floor.

#### **LG Stain Protection (penetration)**

Diamapro Diamaguard LG protects concrete from potential staining. The gloss level will be similar to the polished surface while developing no surface film.



### DIAMAPRO MOISTURE CONTROL

#### **Waterproofing Sealer**

Diamapro Moisture Control is a moisture mitigation sealer.



### DIAMAPRO SLURRY SPONGE

#### **Solidifies Concrete Paste**

Diamapro Slurry Sponge turns cement based slurry into recyclable solids..

## PRECISION ENGINEERING FIELD TESTED



Diamapro Systems™ Precision Diamond Tooling combines science with good old fashion concrete grinding and polishing. Diamapro System® metallurgists scientifically dial in every bond and diamond concentration to provide the ideal compromise between cutting speed and tooling life.

These diamonds have been extensively tested in the laboratory and in the field to ensure the highest quality performance. During the testing process each tool is run on multiple floors because no two concrete floors are the same. DOI, Gloss, Roughness Average, RSPEC, and Haze are measured at each step of the polishing process to make sure every tool meets Diamapro System's™ standard of excellence.

We've got you covered for any type of application. Our extensive line of tooling includes PCDs, Bars, Buttons, 6 SEGS, 10 SEGS, Hybrids, and Resins to fit all major walk behind grinders. Check out our comprehensive line of cupwheels; multiple options to attack any job.

Diamond selection is the first step of any concrete grinding or polishing project. Make your work shine. Choose Diamapro Systems™ Precision Diamond Tooling.

Diamapro Systems provides all of the grinding and polishing equipment and abrasives in various sizes and capacities required to accomplish each level of concrete refurbishing and coating. The company also provides the dust collection systems necessary to ensure worker safety and complete environmental compliance.