



SETTING THE STANDARD

High-Performance Industrial and Decorative Coatings



SYSTEM

WEAR-GUARD

COLORED QUARTZ WITH RECYCLED GLASS TROWELED
EPOXY MORTAR FLOOR SYSTEM

system
315

WEAR-GUARD 315 is a decorative mortar system that consists of a proprietary blend of UV stable colored aggregates and/or recycled colored glass. It is the perfect choice in areas that require a decorative, heavy duty flooring system. Areas that would normally receive terrazzo or marble can be finished with 315 without loss of decorative flair or performance and at a considerable value.

COMMON APPLICATIONS

This proprietary flooring system is typically applied over clean prepared concrete. Specific applications include, but are not limited to: airports, hotel and office building lobbies and corridors, high end retail spaces, schools, health care facilities and hospitals.

COMPONENTS

F-01 / F-41 TDQ or TDTR / F-41 or F-61

LEED MATRIX [NC 2009]

	YES	NO
MRc1.1 Building Reuse	✓	
MRc2 Construction Waste Management	✓	
MRc4.1 Recycled Content	✓	
MRc6 Rapidly Renewable Materials		✓
IEQc4.2 Low Emitting Materials	✓	

PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM C307	3,370 p.s.i.
Compressive Strength	ASTM C579	15,200 p.s.i.
Modulus of Elasticity	ASTM C580	N/A
Flexural Strength	ASTM C580	5,000 p.s.i.
Impact Resistance	ASTM D2794	>160 inch pounds
Abrasion Resistance CS17 1000 g	ASTM D4060	0.022g Loss*
Flammability When Adhered to Concrete	ASTM D635	Self-Extinguishing
Adhesion to Concrete	ASTM D7234	>450 Substrate failure
Wet SCOF (Static Coefficient of Friction)	NFSI B101.1	0.67
Accelerated Weathering Testing	ASTM G154	Slight yellowing

Physical properties can be improved by selecting different components. Should you require higher performance than our base system components, please speak to a Polymer Nation Coating Engineer.

* when higher abrasion resistance is required the addition of PN 1336 to the coating should be included.





OPTIONS

Cove Bases: Available

Colors: see back panel

	A	B	C
Texture	✓		

Polymer Nation offers 3 categories of finish Textures. Texture A is our smoothest finish. Texture B is our mid-level slip resistant finish and Texture C is our highest level slip resistant finish. Custom textures can be engineered to meet specific design requirements. A mock up is recommended as the best way to ensure customer satisfaction.

Antimicrobial: Available

Waterproofing Membrane: Available

Optional Finish Coats:

U-21 LL

No VOC, clear, waterborne Urespartic™, low luster, UV, graffiti and abrasion resistant coating.

Antimicrobial: Available

PN 1498 MICRO-GUARD

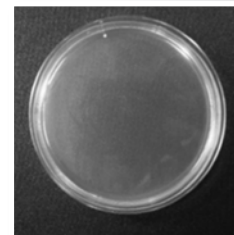
Proprietary Anti-Microbial Pathogen Additive

What is PN MICRO-GUARD?

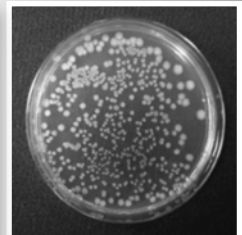
- PN MICROGUARD is ionic silver, bound in an inorganic matrix which hinders microbial growth and kills the bacteria
- 99.9997 % reduction of bacteria, fungi and actinomycetes

Advantages of PN MICRO-GUARD!

- Safety: Low Toxicity, long history of use
- EPA & FDA Registered for products in USA
- Longevity, accelerated testing shows 3-7 years
- Compounded throughout the material
- Adequate reservoir of silver at the surface level that does not require abrading to activate
- Not affected by surface wear



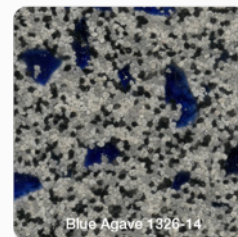
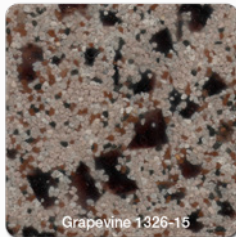
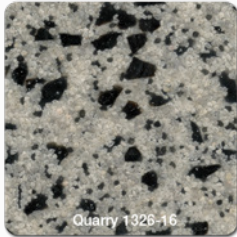
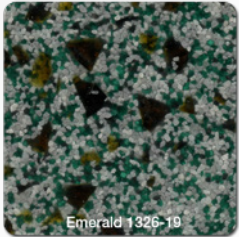
With MICRO-GUARD



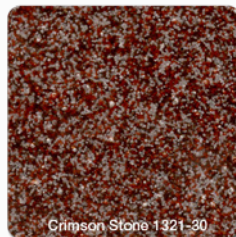
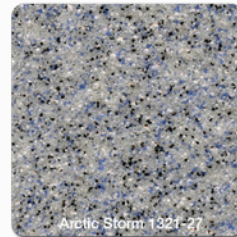
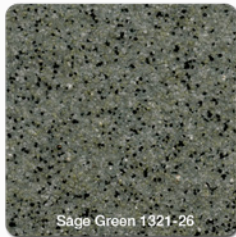
Without MICRO-GUARD

For additional or custom system configurations, please contact your Polymer Nation Consultant.

TERRAZZO ROCK BLENDS



QUARTZ



POLYMER NATION
(847) 774-5038 | polymernation.com

315-02-26

In the unlikely event of a problem, a resolution is one phone call away with the assurance that the blame game will not be a part of the process. Our goal is to develop long lasting relationships with our customers.

WE PLEDGE TO DO WHATEVER WE CAN TO BRING OUR CUSTOMERS THE HIGHEST LEVEL OF SATISFACTION!