



High-Performance Industrial and Decorative Coatings



SYSTEM
WEAR-GUARD
SOLID COLORED URETHANE MORTAR FLOOR SYSTEM

system
341

WEAR-GUARD 341 is a 1/4" troweled chemical-resistant urethane mortar, specifically formulated for areas which experience large temperature swings and constant thermal cycling. Available with a proprietary crack suppression reinforcing system (PN 1244).

COMMON APPLICATIONS

Floor areas where durability cleanability and thermal shock are all critical performance characteristics. Typically installed over clean prepared concrete. Specific applications include, but are not limited to: institutional and correctional kitchens, food and beverage manufacturing, cage wash areas, vivariums, and clean rooms.

COMPONENTS

F-52 TD

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	✓	

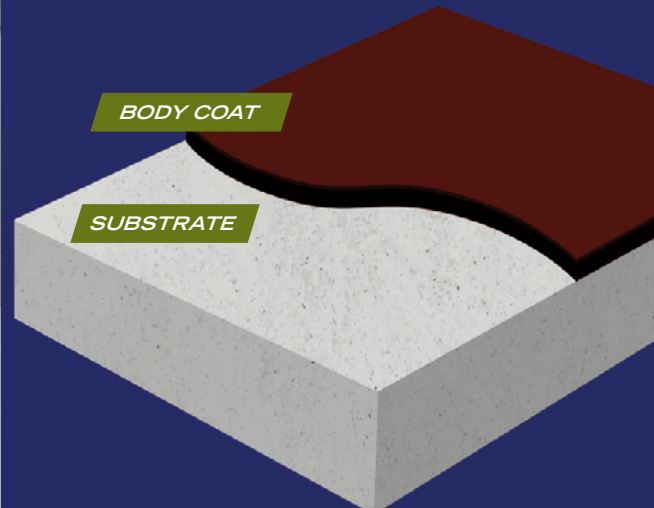
PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM C307	1,400 p.s.i.
Compressive Strength	ASTM C579	8,000 p.s.i.
Modulus of Elasticity	ASTM C580	N/A
Flexural Strength	ASTM C580	2,550 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)	ASTM E303	Match Specifications
Accelerated Weathering Testing	ASTM G154	Moderate 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.

Waterproofing Membrane: Available

Optional Finish Coats:

F-52D	Urethane topping is a low sheen finish coat based on the same resin technology as the 352 TD and SL.
L-21	Novolac, greater chemical resistance
F-60	Polyaspartic for greater UV resistance
U-20 G, LL	No VOC, pigmented, waterborne Urespartic™, gloss or low luster, UV, graffiti and abrasion resistant coating.

Antimicrobial: Available

PN 1498 MICRO-GUARD

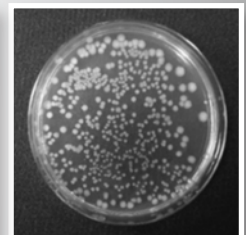
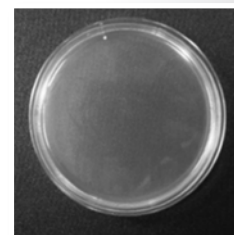
Proprietary Anti-Microbial Pathogen Additive

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

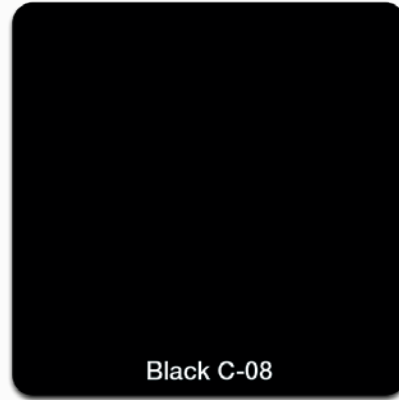
Without MICRO-GUARD

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

● **COLORS**

Custom colors upon request, actual colors may vary.

STANDARD COLORS



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

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!