



High-Performance Industrial and Decorative Coatings



SYSTEM
POLY-GUARD
URETHANE WALL SYSTEM

system
140

POLY-GUARD 140 is a three coat, all urethane, wall coating system designed to provide a rapid setting, UV stable, abrasion resistant wall system for areas that experience moderate thermal cycling and abuse.

COMMON APPLICATIONS

Wall and ceiling areas where a high level of durability is required and where constant water or wash down procedures are occurring. Specific applications include, but are not limited to: Cage washes, Laboratories, Autoclave areas, Food and Beverage processing.

BASE COMPONENTS

F-52D / 1331 / F-60 or F-70

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	✓	

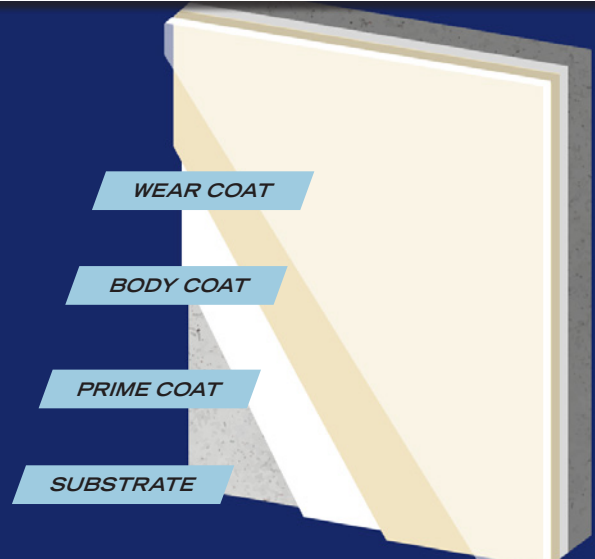
PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM C307	2870 p.s.i.
Compressive Strength	ASTM C579	13,000 p.s.i.
Modulus of Elasticity	ASTM C580	N/A
Flexural Strength	ASTM C580	5,700 p.s.i.
Impact Resistance	ASTM D2794	>160 inch pounds
Abrasion Resistance CS17 1000 g	ASTM D4060	0.053g 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: Not 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.

Optional Finish Coats:

U-20 G, LL No VOC, pigmented, waterborne Urespartic™, high gloss or low luster, UV, graffiti and abrasion resistant, LEED compliant.

Antimicrobial: Available

PN 1498 MICRO-GUARD

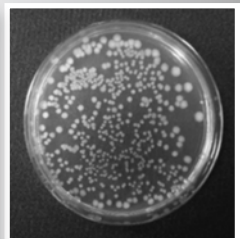
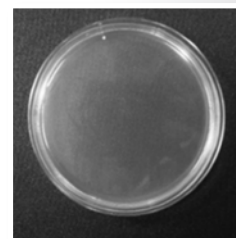
Proprietary Anti-Microbial Pathogen Additive

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.



Custom colors upon request

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

140-02-26

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!