



High-Performance Industrial and Decorative Coatings



SYSTEM

POLY-GUARD

STEEL & CONCRETE PROTECTIVE COATING SYSTEM

system
170

POLY-GUARD

STEEL & CONCRETE PROTECTIVE COATING SYSTEM

POLY-GUARD 170 is a coating system formulated to provide excellent abrasion, graffiti and UV resistance. It exceeds the performance found in traditional solvent-based coatings, with low VOC's. It adheres to concrete, CMU, steel, galvanized metals, aluminum and a variety of building materials. When installed by Prime Coat factory technicians, this system delivers a standard of durability that is unmatched in the marketplace.



● COMMON APPLICATIONS

Perfect for coating CMU, precast concrete, steel demising walls, doors, frames, ceilings and a variety of other substrates.

● COMPONENTS

P-02 (Concrete Primer) or P-04 (Steel Primer)
U-20 G, U-21 G, LL

● 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	✓	



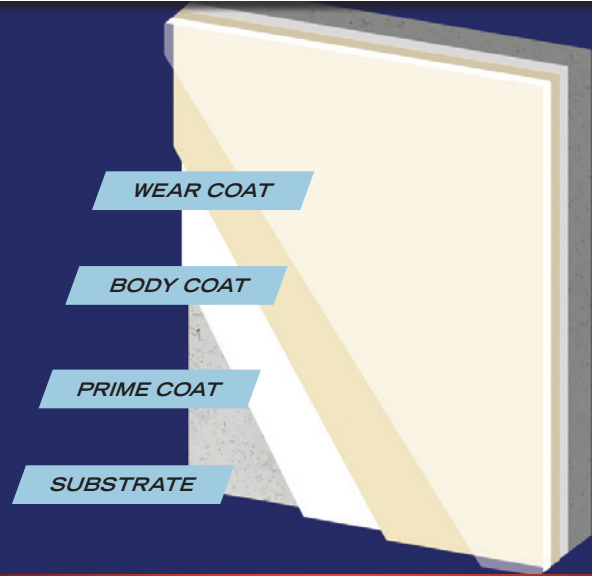
● PHYSICAL PROPERTIES

Description	Standard	Results
Flexibility	ASTM D522	80o Bend
Pencil Hardness	ASTM 3363	2H
Salt Fog Resistance	ASTM B117	Passes 300 hours
Flexural Strength	ASTM C580	5,500 p.s.i.
Impact Resistance	ASTM D2794	>160 inch pounds
Abrasion Resistance CS17 1000 g	ASTM D4060	0.025g Loss*
Flammability When Adhered to Concrete	ASTM D635	Self-Extinguishing
Adhesion to Steel	ASTM D4541	>1,000 p.s.i.
Wet SCOF (Static Coefficient of Friction)	ASTM E303	Match Specifications
Accelerated Weathering Testing	ASTM G154	UV Stable



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.

Antimicrobial: Available

PN 1498 MICRO-GUARD

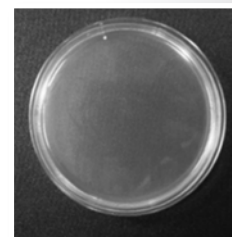
Proprietary Anti-Microbial Pathogen Additive

What is PN MICRO-GUARD?

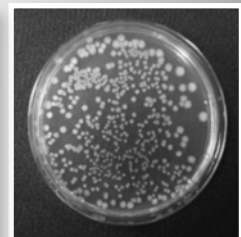
- PN MICROGUARD is ionic silver, bound in an inorganic matrix which hinders microbial growth and kills the bacteria
- 99.9997 % reduction of bacteria, fungi and actinomycetes

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

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!