



**High-Performance Industrial and Decorative Coatings**



SYSTEM  
**DECO-GUARD**  
SOLID COLORED URETHANE CONCRETE FLOOR SYSTEM

system  
**241**

**DECO-GUARD 241** is a solid-colored 3/16" - 1/4" chemical and slip-resistant urethane flooring system made especially for areas which are prone to swings in temperatures and thermal shock.

## 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: Kitchens, Manufacturing, Prisons, Schools, Food and Chemical processing plants.

## BASE COMPONENTS

F-52 SL 28 or F-52 SL 36 / 1323 / F-52 D

## 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	✓	

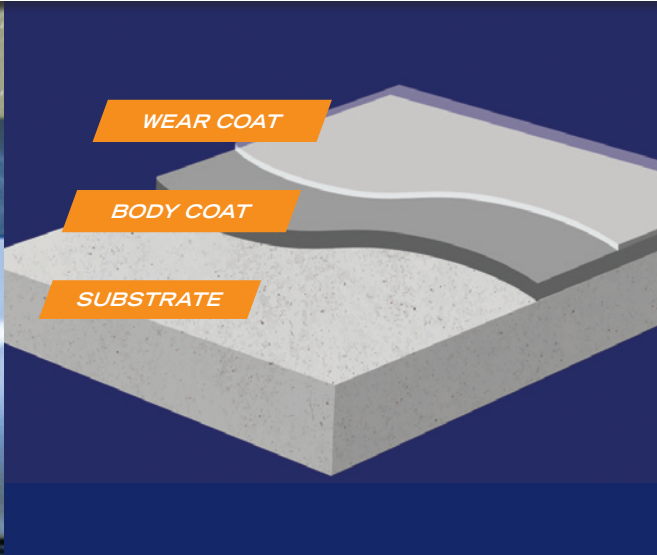
## PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM D638	3,100 p.s.i.
Compressive Strength	ASTM C579	8,500 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	0.042g 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:** Yes

**Colors:** see back panel

Texture	A	B	C
	✓	✓	✓

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:** Yes

**Optional Finish Coats:**

F-52D	Urethane aromatic topcoat, matte finish with good thermo-shock and chemical resistance
L-21	Novolac, greater chemical resistance
U-20 G,LL	No VOC, pigmented, waterborne Uraspartic, gloss or low luster, UV graffitit and abrasion resistant, LEED compliant.

**Antimicrobial:** Available

**PN 1498 MICRO-GUARD**

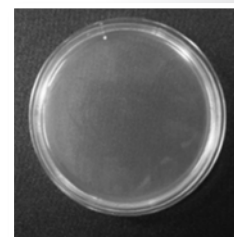
**Proprietary Anti-Microbial Pathogen Additive**

### What is PN MICRO-GUARD?

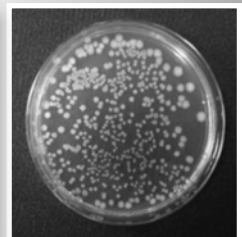
- PN MICROGUARD is ionic silver, bound in an inorganic matrix which hinders microbial growth and kills the bacteria
- 99.9997 % reduction of bacteria, fungi and actinomycetes

### 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



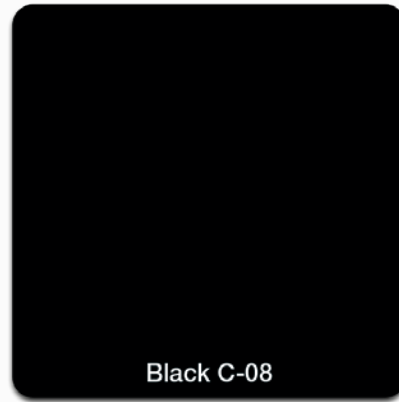
Without MICRO-GUARD

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

● **COLORS**

Custom colors upon request, actual colors may vary.

**STANDARD COLORS**



**POLYMER NATION**  
(847) 774-5038 | [polymernation.com](http://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!**