



High-Performance Industrial and Decorative Coatings



SYSTEM

FLEX-GUARD

SOLID COLORED URETHANE SPORTS FLOOR SYSTEM

system
460

FLEX-GUARD 460 is a state of the art sports surface designed to provide a higher level of safety than was previously available on sports surfaces. By absorbing impact and evenly distributing force the 461 provides unmatched protection and safety.

COMMON APPLICATIONS

460 is typically installed over clean prepared concrete that is flat and level. It is used in areas where an impact absorbent surface is desired. Specific applications include, but are not limited to: Health and Fitness clubs, Educational recreation areas, Correctional Facilities and Rehabilitation centers.

COMPONENTS

SP-10 / 1243 / SP-20 / U-20 G / U-21 G or 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	✓	

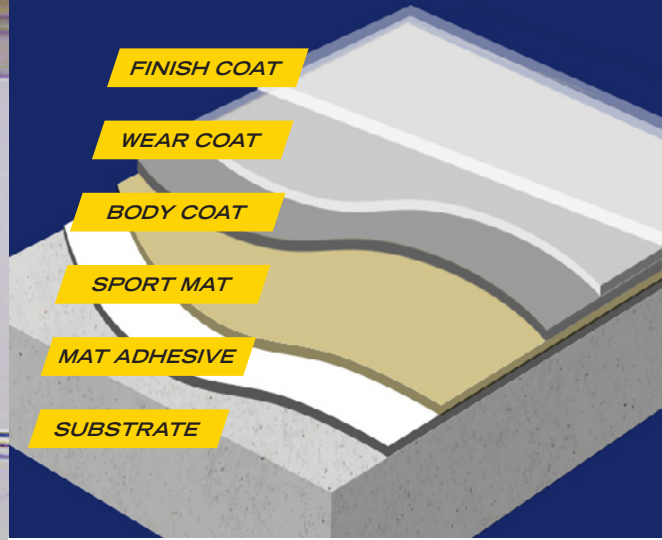
PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM C307	1,890 p.s.i.
Elongation	ASTM D412	200%
Shore A	ASTM D2240	70-75
Tear Resistance	ASTM D1004	100 pli
Impact Resistance	ASTM D2794	>160 inch pounds
Abrasion Resistance CS17 1000 g	ASTM D4060	0.020g Loss*
Flammability When Adhered to Concrete	ASTM D635	Self-Extinguishing
Adhesion to Concrete	ASTM D7234	>350 Substrate failure
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: 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: Included

Optional Striping:

U-20	No VOC, pigmented, waterborne Urespartic™, gloss, UV, graffiti and abrasion resistant coating used for line striping and logos.
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Antimicrobial: Available

PN 1498 MICRO-GUARD

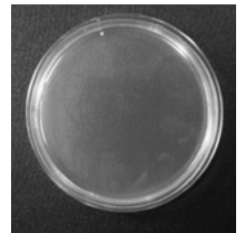
Proprietary Anti-Microbial Pathogen Additive

What is PN MICRO-GUARD?

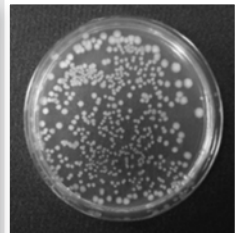
- PN MICROGUARD is ionic silver, bound in an inorganic matrix which hinders microbial growth and kills the bacteria
- 99.9997 % reduction of bacteria, fungi and actinomycetes

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

SYSTEM

460

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
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460-02-26

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!