



High-Performance Industrial and Decorative Coatings



SYSTEM

FLEX-GUARD

SCAPES URETHANE SOFT FLOORING

system
461

FLEX-GUARD 461 is a stain resistant, urethane elastomeric system designed to provide a soft walking/working surface over a variety of different substrates. Its high elongation and tensile strength allow it to bridge cracks and handle deflection and movement at a greater degree than epoxy systems. With no seams to maintain and no welds to accumulate germs, 461 is the healthier alternative to welded sheet vinyl or vinyl tile.



● COMMON APPLICATIONS

461 is typically installed over clean prepared concrete where a soft anti-fatigue and easily sterilized, yet durable finish is desired. Specific applications include, but are not limited to: Medical Procedure and O.R. rooms, Hospital Patient rooms, Laboratories, Rehabilitation centers, Schools, Dance Studios, Animal Care Facilities, Zoos, and more.

● COMPONENTS

F-01 / 1322 / SP-20 SL / U-91 with 1440 / U-51

● 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	✓	

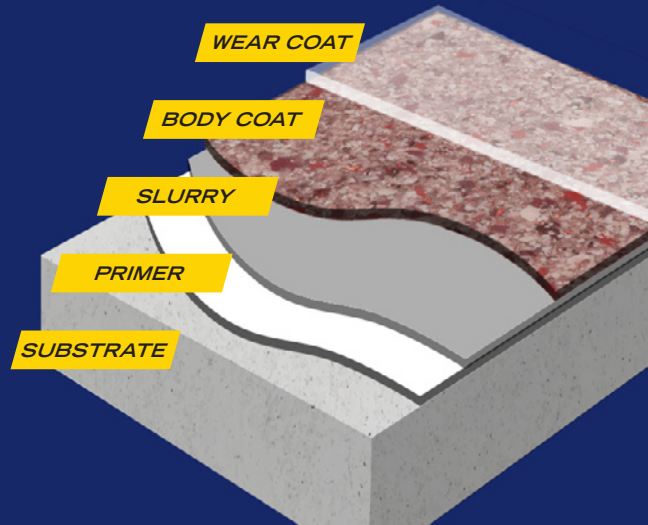
● PHYSICAL PROPERTIES

Description	Standard	Results
Tensile Strength	ASTM C307	1,890 p.s.i.
Elongation	ASTM D412	280%
Shore A	ASTM D2240	70-75
Tear Resistance	ASTM D1004	400 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	>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
 Our optional 1243 mat is available for additional performance or thickness requirements.

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 Finish Coats:

U-21 G, LL No VOC, clear, waterborne Urespartic™, gloss or low luster, UV, graffiti and abrasion resistant coating.

Antimicrobial: Available

PN 1498 MICRO-GUARD

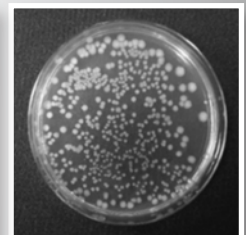
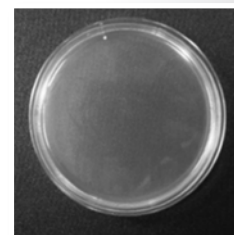
Proprietary Anti-Microbial Pathogen Additive

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

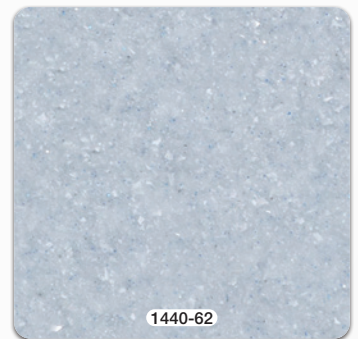
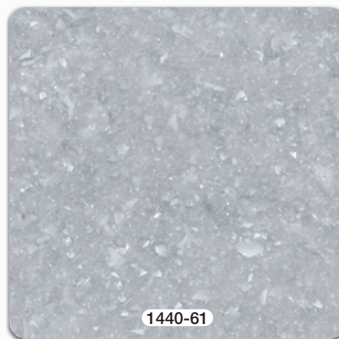
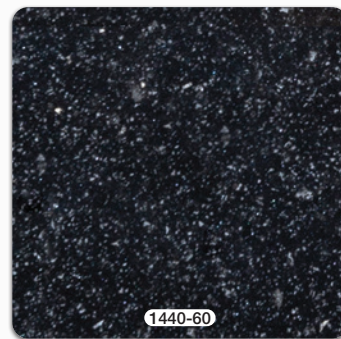
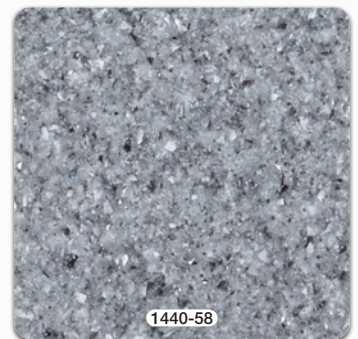
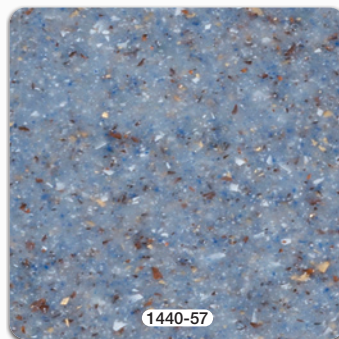
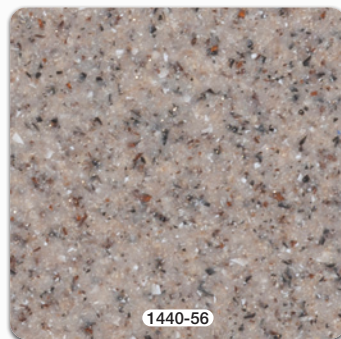
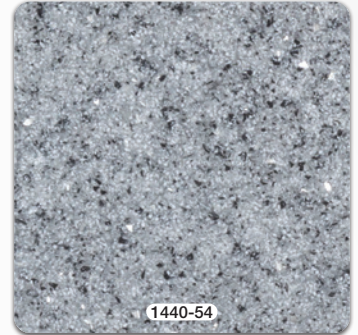
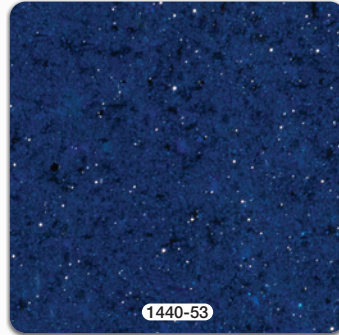
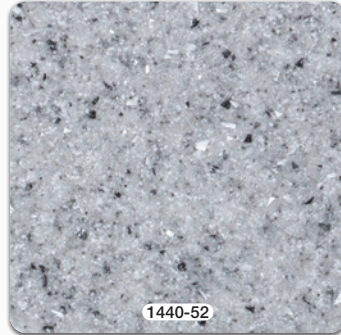
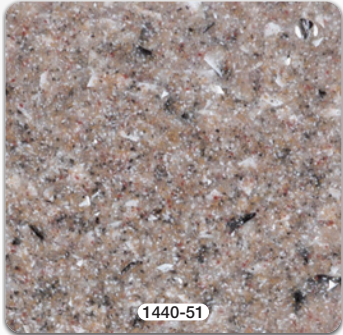
Without MICRO-GUARD

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

● COLORS

Custom colors upon request, actual colors may vary.

1440 SCAPE COLORS



POLYMER NATION

(847) 774-5038 | polymernation.com

461-02-26

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!