



High-Performance Industrial and Decorative Coatings



SYSTEM

TRAFFIC-GUARD

SOLID COLORED LIGHT DUTY URETHANE
TRAFFIC SYSTEM

system
522

TRAFFIC-GUARD 522 is a 100-solids urethane elastomeric parking system designed to protect concrete parking structures from damage caused from road salts, oil and moisture run off. Protecting the structural integrity of concrete is the most cost effective way of increasing the service life of the structure and reducing life-cycle costs.

● COMMON APPLICATIONS

522 is typically installed over clean prepared concrete where light vehicle traffic is expected and surface flexibility is required. Specific applications include, but are not limited to: Executive parking garages, Pedestrian Walk ways, Condo Parking garages and Balconies.

● COMPONENTS

F-01 / 1331 / SP-20 / SP-24

● 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 | ✓ | |

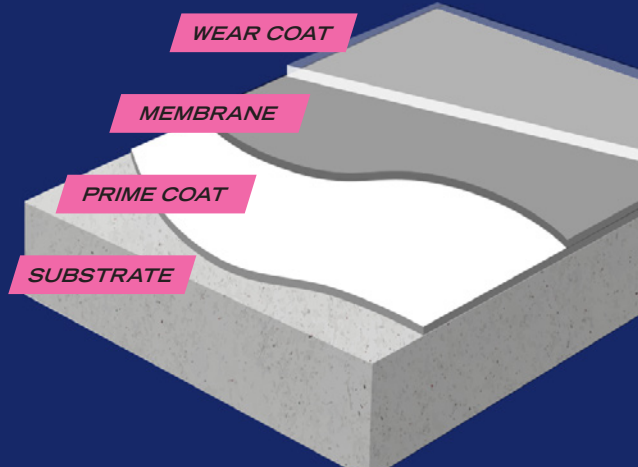
● PHYSICAL PROPERTIES

| Description | Standard | Results |
|---|------------|------------------------|
| Tensile Strength | ASTM C307 | 2,500 p.s.i. |
| Elongation | ASTM D412 | 400-600% |
| Shore A | ASTM D2240 | 88-92 |
| Tear Resistance | ASTM D1004 | 400 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 G

No VOC, pigmented, waterborne Urespartic™, gloss, UV, graffiti and abrasion resistant coating used for line striping and logos.

Antimicrobial: Available

PN 1498 MICRO-GUARD

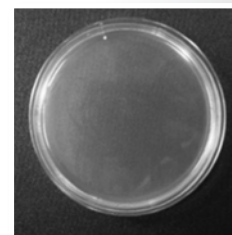
Proprietary Anti-Microbial Pathogen Additive

What is PN MICRO-GUARD?

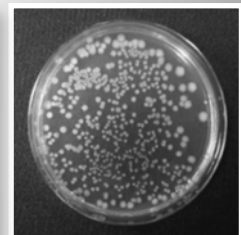
- PN MICROGUARD is ionic silver, bound in an inorganic matrix which hinders microbial growth and kills the bacteria
- 99.9997 % reduction of bacteria, fungi and actinomycetes

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

522

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

● **COLORS**

Custom colors upon request, actual colors may vary.



Medium Gray C-02



Light Gray C-03



Tan C-14

Custom colors upon request

POLYMER NATION

(847) 774-5038 | polymernation.com

522-02-26

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!