



BioSpec Armor®

Mannington
COMMERCIAL



Cover: BioSpec Armor® - Breezy OR122, Hush OR111, IdealBase® - Gray 204
Above: BioSpec Armor® - Bok Choy OR107



BioSpec Armor®

Homogeneous Sheet Construction

Protect Demanding Healthcare Environments

- Specifically designed for ORs
- Advanced tear strength
- Superior gouge resistance
- Easy maintenance

24 Colors

- Colors coordinate across our resilient sheet products

0.100" (2.54 mm) Thickness

Install with IdealBase®

- Replaces traditional flash coving
- Create a sanitary transition up the wall
- Provides cost savings and enhanced performance with an aesthetically clean design

15-Year Quantum Guard Elite® Wear Warranty

105% Carbon Offset

- Recognizing the adverse impact the built environment can have on our climate and health, Mannington Commercial is committed to helping its customers reduce the negative impact of their projects by improving our operations and offsetting this collection's embodied carbon by 105% from Cradle to Gate.



Made in the USA



BioSpec Armor - Breezy OR122, Hush OR111; IdealBase® - Gray 204

IdealBase® Specialty Wall Base



Infection control and providing a sanitary environment in healthcare settings is crucial. That's why we created IdealBase, a 6.25" wall base that extends 2" onto the floor so it can be welded to the floor covering to create a sanitary transition up the wall. IdealBase replaces traditional flash coving, providing cost savings and enhanced performance, all in an aesthetically clean look that compliments your room design.



Benefits

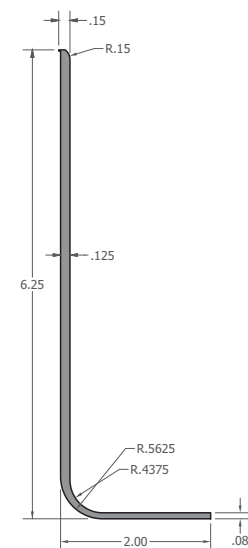
- IdealBase installation eliminates dye-lot concerns on corners and provides simpler, more forgiving and faster installation than traditional flash cove methods
- Specially engineered for use with homogeneous and heterogeneous sheet (.080"), BioSpec Armor® (.100") and Legato® Liquid Linoleum (.080") as well as rubber sheet (.118").
- TP Construction
- Scuff and scratch resistant, will not fade or crack
- Available in 8' lengths for less vertical seams and 10 colors to coordinate with our most popular resilient flooring products

Sustainability

- FloorScore Certified; CDPH v1.1 - 2010
- mindful MATERIALS
- HPD



[View IdealBase Online](#)



**Shown in .080". Also available in .100" and .118"*



QUANTUM GUARD®
elite

Success Is in Our Science

Introducing Quantum Guard Elite®, the patent-pending technology that provides the complete performance solution for homogeneous sheet flooring.

- Engineered to trap less dirt, delivering ease of cleaning and reduced maintenance costs
- Industry-leading stain resistance outperforms competing products
- Excellent slip resistance for enhanced safety
- Advanced light resistance keeps colors beautiful

Cleans Better Than Competitors

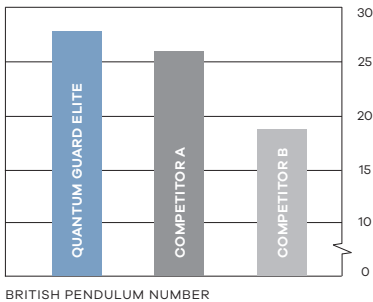
Quantum Guard Elite®

Leading Competitor



Advanced urethane chemistry and an optimized texture make resilient sheet with Quantum Guard Elite® easier to clean than competitors. *(Results after 10 passes with a wet microfiber mop on soiled floor.)*

Excellent Slip Resistance



Quantum Guard Elite® is engineered to provide greater slip resistance, improving the safety of the facility by helping reduce slip and fall hazards. *(Results from testing with the British Pendulum Tester, ASTM E303.)*

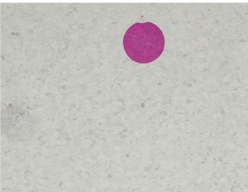
Industry-Leading Resilience

Quantum Guard Elite®

Leading Competitor



Impact Test



Stain Test

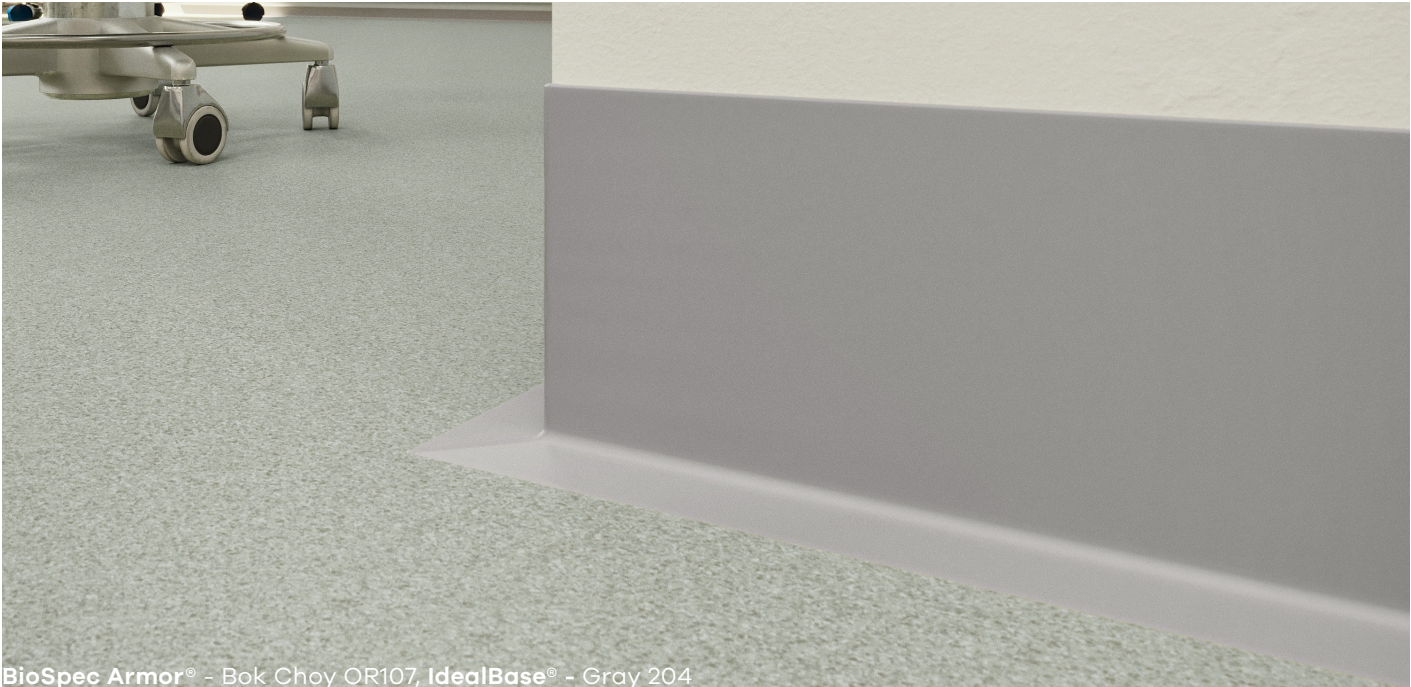
By reinforcing the construction of traditional homogeneous sheet BioSpec® Armor leads the industry in resistance to wear and staining, including heavy traffic and indentations. *(Results after applying multiple drop/spill experiments.)*

Warranted to Work

Products with Quantum Guard Elite® feature our Limited Quantum Guard Elite® Wear Warranty and Limited Commercial Warranty.

BioSpec Armor® | Accessories

Product Name	Product Code	LRV	Weld Rod	IdealBase®	Wall Base
Alpaca	OR117	59.8	842354 Beige	244 Off White	150 Nougat
Blue Saturn	OR121	25.5	842359 Medium Blue	401 White	970 Wedgewood
Bok Choy	OR107	47.0	842333 Sage	030 Beach Sand	210 Frosted Jade
Breezy	OR122	54.3	842339 Spruce	401 White	170 Bright White
Cherry Tomato	OR108	12.5	842510 Scarlet	401 White	966 Geranium
Classic Navy	OR109	15.7	842346 Cornflower	663 Sky Gray	505 True Blue
Fjord	OR103	30.7	842477 Shipyard	663 Sky Gray	672 Gray Blue
Frostwork	OR116	67.5	842372 Bright White	168 Bluish White	179 Bright White
Gargoyle	OR115	23.4	842332 Stone Gray	663 Sky Gray	198 Deep Space
Glacier Lake	OR123	41.1	842359 Medium Blue	401 White	970 Wedgewood
Golden Harvest	OR113	53.3	842354 Beige	244 Off White	508 Tweed
Haystack	OR119	33.6	842485 Bone Beige	527 Clay	503 Ginger
Hush	OR111	67.5	842322 Off White	168 Bluish White	137 Pearl
Koala	OR105	35.7	842374 Steel Blue	204 Gray	192 Jet Gray
Lunar Rock	OR118	39.7	842401 Techno Gray	112 Sandy Tan	208 Light Gray
Mirage	OR120	47.8	842425 Mineral Gray	401 White	970 Wedgewood
Northstar	OR106	48.5	842317 Light Gray	663 Sky Gray	190 Jackalope
Peppercorn	OR102	14.7	842352 Black	701 Black	660 Rocky
Pistacio	OR110	56.8	842333 Sage	168 Bluish White	208 Light Gray
Portobello	OR112	24.9	842526 Warm Ash	527 Clay	503 Ginger
Sandtrap	OR104	46.1	842336 Sesame	244 Off White	305 Camel
Scuba	OR100	40.9	842448 Aquatic	401 White	170 Bright White
Snowy Owl	OR114	56.9	842361 Light Beige	244 Off White	113 Morning Mist
Tannenbaum	OR101	33.0	842240 Balsam Fir	244 Off White	208 Light Gray



BioSpec Armor® - Bok Choy OR107, IdealBase® - Gray 204

BioSpec Armor®

Style	BioSpec Armor
Construction	Homogeneous Sheet (Non-ortho phthalate construction)
Classification	ASTM F1913 Sheet Vinyl Floor Covering without Backing
Total Thickness	0.100" (2.54 mm)
Wear Layer	Quantum Guard Elite®
Width	6'6" (2 m)
Colors	24
Pattern Repeat	Random repeat, reverse sheet for seaming
Packaging	30 - 58 yd² (25.1 - 48.5 m²) (58 yd² roll is approx. 80 lineal feet) (packaging may differ for QuickStix®)
Weight	7.9 lbs/yd² (3.583 kg/m²)
Adhesive	Porous & Non-porous Substrates: V-88 Full Spread V-95 Full Spread, 2-part Epoxy MoistureLoc Full Spread, One-Component XpressStep for LVT & Sheet Vinyl Full Coverage Spray Note: Must use V-95, MoistureLoc, QuickStix or XpressStep adhesive under stationary heavy point loads. In more abusive conditions such as areas subject to dragging force, direct sunlight or where topical moisture would be a concern, only V-95, MoistureLoc or QuickStix should be used.
QuickStix®	Available with QuickStix® pre-applied adhesive, reducing time and labor required to install the flooring. QuickStix® floors can be used immediately after installation, even in extreme moisture areas.
Seam Method	Mannington Commercial Weld Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.
Testing	
HUD/FHA	Meets / Exceeds
ADAG (American Disability Act Guidelines)	Passes
Flexibility (ASTM F137)	Passes - 1 1/2" Mandrel - No Crack/Break
Static Load (ASTM F970)	Passes - Residual Indent ≤ 0.005"
Static Load (ASTM F970 mod.)	Passes - 3,000 PSI; Residual Indent ≤ 0.005"
Rolling Resistance/Caster Chair (ISO 4918)	25,000 Cycles, No Significant Change
Short Term Residual Indentation (ASTM F1914/F1303)	Passes - Must be < 0.007"
Flooring Radiant Panel (ASTM E648)	Passes - Class 1; ≥ 0.45 watts/cm²
Smoke Density (ASTM E662)	Passes - ≤ 450
Slip Resistance (ASTM C1028, Dry)	Passes - ≥ 0.5 Leather; 0.6 Rubber
Acoustic IIC (ASTM E492)	52 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	61 - 6" Concrete with Drop Ceiling
Resistance to Light (ASTM F1515)	Passes - < 8 Delta E Color Change
Chemical Resistance (ASTM F925)	Passes - No More Than Slight Change
Resistance to Heat (ASTM F1514)	Passes - < 8 Delta E Color Change
Resistance to Mold/Mildew (ASTM G21/E2180)	Passes - No More Than Slight Change
Environmental Data	
Indoor Air Quality	FloorScore Certified; CDPH v1.2-2017
Product Declarations	EPD, HPD
Carbon Offset	105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)
LEED	May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Manufacturing	Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver
Warranty	
	Limited 15-Year Commercial Warranty Limited 15-Year Quantum Guard Elite® Wear Warranty

Note: Visual/Color variations can occur from roll to roll. This variation does not affect product performance.