



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

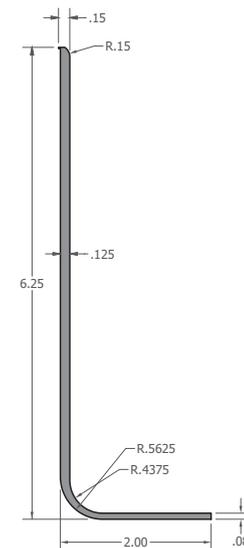
- ▶ IdealBase installation eliminates dye-lot concerns on corners and provides simpler, more forgiving and faster installation than traditional flash cove methods
- ▶ Specially engineered for use with homogeneous and heterogeneous sheet (.080"), BioSpec Armor® (.100") and rubber sheet (.118").
- ▶ TP 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

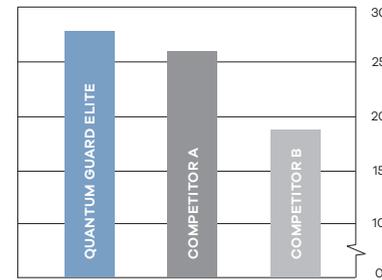
Quantum Guard Elite®

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



BRITISH PENDULUM NUMBER

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.)*

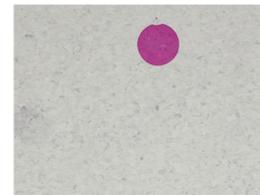
Industry-Leading Resilience

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

Style	Code	LRV	Weld Rod	Wall Base	Ideal Base
Alpaca	OR117	59.8	842354 Beige	150 Nougat	244 Off White
Blue Saturn	OR121	25.5	842359 Medium Blue	970 Wedgewood	401 White
Bok Choy	OR107	47.0	842333 Sage	210 Frosted Jade	030 Beach Sand
Breezy	OR122	54.3	842326 Sterling	170 Bright White	401 White
Cherry Tomato	OR108	12.5	842520 Crimson	966 Geranium	401 White
Classic Navy	OR109	15.7	842346 Cornflower	505 True Blue	663 Sky Gray
Fjord	OR103	30.7	842412 Blue Ridge	672 Gray Blue	663 Sky Gray
Frostwork	OR116	67.5	842372 Bright White	179 Bright White	168 Bluish White
Gargoyle	OR115	23.4	842332 Stone Gray	198 Deep Space	663 Sky Gray
Glacier Lake	OR123	41.1	842359 Medium Blue	970 Wedgewood	401 White
Golden Harvest	OR113	53.3	842354 Beige	508 Tweed	244 Off White
Haystack	OR119	33.6	842485 Bone Beige	503 Ginger	527 Clay
Hush	OR111	67.5	842322 Off White	137 Pearl	168 Bluish White
Koala	OR105	35.7	842524 Timberwolf	192 Jet Gray	204 Gray
Lunar Rock	OR118	39.7	842401 Techno Gray	208 Light Gray	112 Sandy Tan
Mirage	OR120	47.8	842326 Sterling	970 Wedgewood	401 White
Northstar	OR106	48.5	842317 Light Gray	190 Jackalope	663 Sky Gray
Peppercorn	OR102	14.7	842352 Off Black	660 Rocky	701 Black
Pistachio	OR110	56.8	842333 Sage	208 Light Gray	168 Bluish White
Portobello	OR112	24.9	842526 Warm Ash	503 Ginger	527 Clay
Sandtrap	OR104	46.1	842336 Sesame	305 Camel	244 Off White
Scuba	OR100	40.9	842448 Aquatic	170 Bright White	401 White
Snowy Owl	OR114	56.9	842361 Light Beige	113 Morning Mist	244 Off White
Tannenbaum	OR101	33.0	842488 Dock Blue	208 Light Gray	244 Off White

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 yd ² (25.1 - 48.5 m ²) (58 yd ² roll is approx. 80 lineal feet) (packaging may differ for QuickStix®)
Weight	7.9 lbs/yd ² (3.583 kg/m ²)
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/cm ²
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); 791kg CO2e/yd ²)
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.