



BioSpec® MD

Mannington
COMMERCIAL



Cover: **BioSpec® MD** - Northstar 15506 (Previously Sterling Blue 15312), **Spacia Stone** - Gibson SS5S2603
Above: **BioSpec MD** - Sandtrap 15504 (Previously Toasted Sesame 15333)





BioSpec® MD - Glacier Lake 15523 (Previously New Wedgewood 15329),
Teles Stair Treads - Dew Drop 850





BioSpec® MD - Greystone 15526 (Previously Granite 15425), New Glacier 15364, Mojave 15525 (Previously Talpa 15418)
Talpa 15418; Zucca 15431, Buzzy Bee 15432, Hummingbird 15430



BioSpec® MD

Healthcare facilities are not “one product fits all” places. At Mannington Commercial, we incorporate evidence-based design to create flooring that fits the unique needs of different spaces. Rigorous performance testing ensures BioSpec MD is a high performance, low maintenance flooring solution.

Homogeneous Sheet Construction

Quantum Guard Elite®

- Best in class abrasion resistance
- Easy maintenance
- Stain resistance that endures

68 Colors

- Available in a variety of neutrals & accent colors
- Colors coordinate across our resilient sheet products

0.080” (2.03 mm) Thickness

12-Year Quantum Guard Elite® warranty

105% Carbon Offset

- Recognizing the impact that the built environment can have on Earth’s climate and health, Mannington Commercial is improving operations and offsetting cradle to gate embodied carbon by 105% on our domestically manufactured flooring products as part of our commitment to helping customers take positive action through their projects.



Made in the USA

Beautifully Made in North America

Crafted by a Leader in Resilient Sheet

At Mannington Commercial, we proudly manufacture all our homogeneous sheet right here in North America, including BioSpec MD. By controlling the process from start to finish, from design to material sourcing to delivery, we are able to bring you resilient sheet that is optimized to fit your needs.

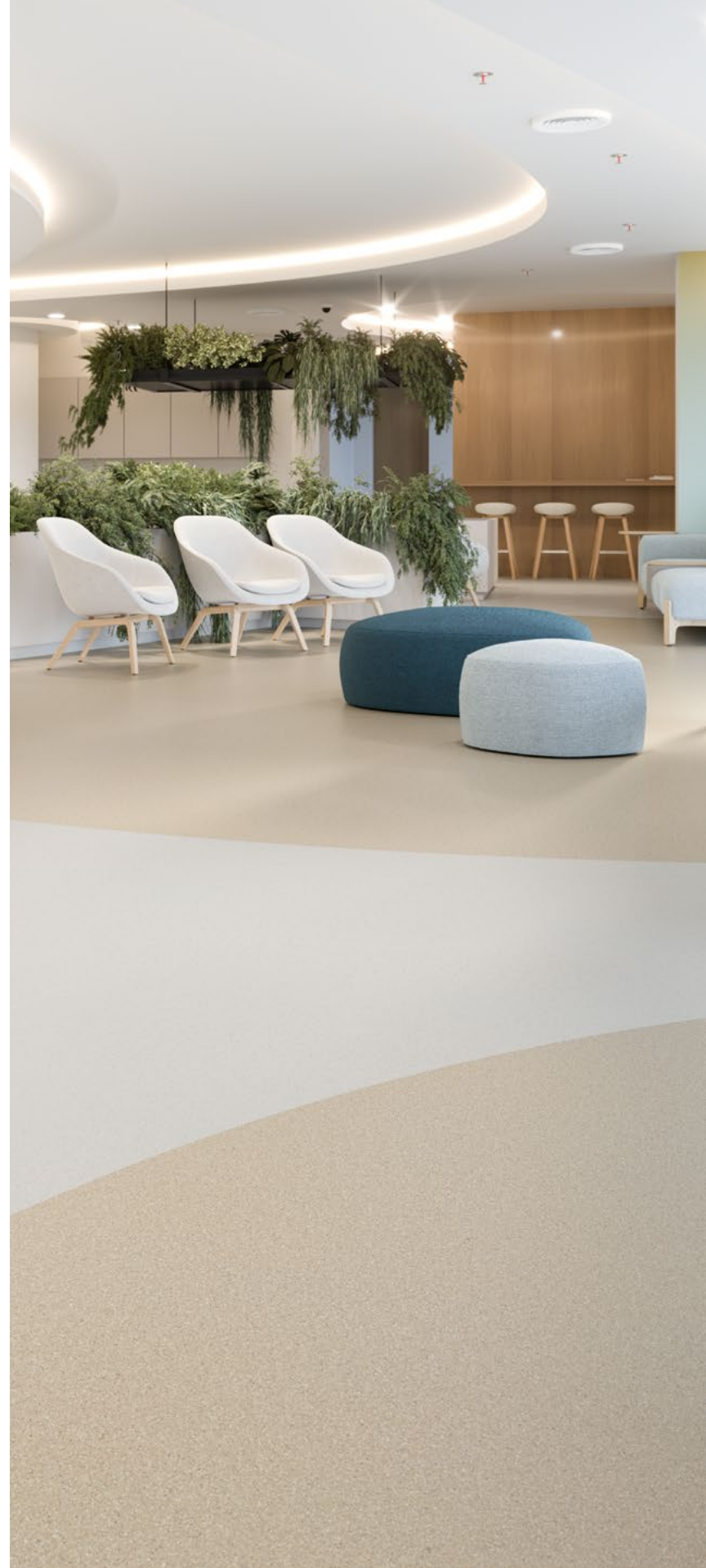
Better Quality, Better Service

- Product is holistically designed and engineered from the ground up
- Proprietary Quantum Guard Elite® technology ensures a tough, easy-to-clean product
- Third party verified HPD and EPD
- A warranty you can count on

Big Picture Benefits

- High-quality manufacturing jobs that sustain American communities
- Drastically reduced carbon footprint of domestic vs. international transport
- Adherence to practices ensuring workers' safety and environmental preservation
- Dedication to leading the industry in responsible, high-quality manufacturing

Crafted with Purpose.





Design Solutions

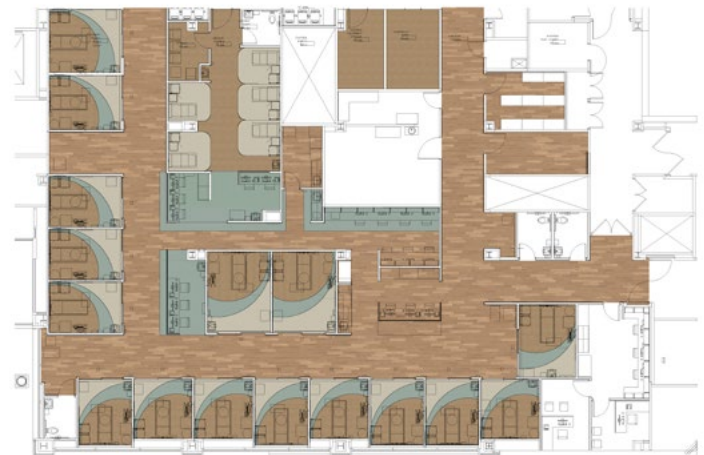
Whether you're looking for design support from the start of a project or in the final phase, Mannington's Design Solutions team can help. Our team of designers is here to support you, our customers, through every step of the design process, from concept to installation.

Your Vision Realized

Our team of designers with diverse backgrounds in interior design, graphic design and textile design will work with you to provide solutions, knowledge and options to simplify the design process and bring your vision to life.

Deliverables

- > Product Palettes
- > 2D and 3D Renderings
- > Composites
- > Configurations
- > Finished Plans
- > Rendered Floor Plan
- > Estimates
- > Installation Diagrams
- > Revit Files
- > Construction Documents



Defeat Damp Spaces

Your job just got easier. With our comprehensive moisture solutions for Sheet, you can defeat the most extreme high moisture conditions.

Best Solutions for:

Slabs with Intact Vapor Barrier (Class B or better)

Quick pH Testing Required**

Adhesive	pH
MoistureLoc	12
QuickStix® with Moisture Resistant Primer**	12

**** Conditions**

Intact Class B or better vapor barrier | No hydrostatic pressure | No standing water or visible water stains | Slab is at least 45 days old

Best Solutions for:

Unknown Slab Conditions

Moisture Testing Required

Adhesive	RH%	MVER	pH
M-Guard V-88 (with IVB)	95	10	12
M-Guard V-88 (no IVB)	90	10	8
MoistureLoc	95	10	12
XpressStep Sheet	95	8	11
QuickStix® with Premium Universal Primer (2 coats)	95	10	12

IVB = Intact Vapor Barrier

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 complements your room design.

Benefits

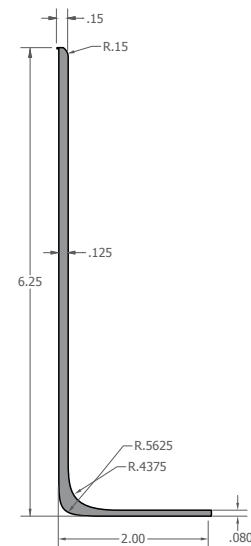
- > IdealBase installation eliminates dye-lot concerns on corners and provides simpler, more forgiving and faster installation than traditional flash cove methods
- > Specially engineered for use with homogeneous and heterogeneous sheet (.080"), BioSpec Armor® (.100") and rubber sheet (.118").
- > TP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

Quantum Guard Elite is a proven, patented 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

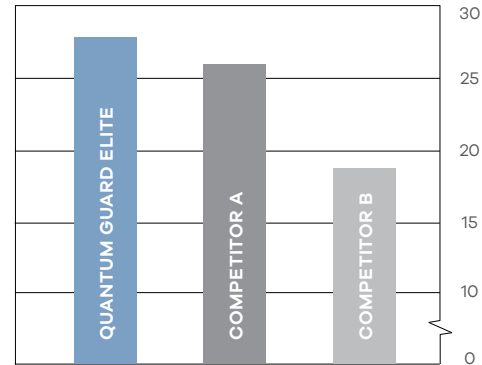


Advanced urethane chemistry and an optimized texture make resilient sheet with Quantum Guard Elite easier to clean than competitors. *(Results after 10 passes with a wet microfiber mop on soiled floor.)*

Warranted to Work

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

Excellent Slip Resistance



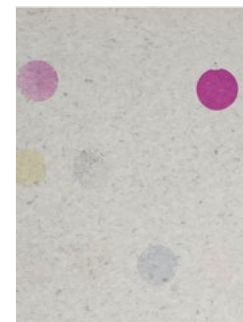
BRITISH PENDULUM NUMBER

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 Stain Resistance

Quantum Guard Elite

Leading Competitor



With protective compounds from the aerospace industry and dentistry, Quantum Guard Elite leads the industry in resistance to stains, including tough medical staining agents. *(Results after applying multiple medical staining agents to flooring, waiting one hour and wiping with an alcohol wipe.)*

Style	BioSpec® MD
Construction	Homogeneous Sheet (Non-ortho phthalate construction)
Classification	ASTM F1913 Sheet Vinyl Floor Covering without Backing
Total Thickness	0.080" (2.03 mm)
Wear Layer	Quantum Guard Elite®
Width	6'6" (2 m)
Colors	68
Pattern Repeat	Random repeat, reverse sheet for seaming
Packaging	30-73 yd ² (25.1-61.04 m ²) (73 yd ² roll is approx. 100 lineal feet)
Weight	6.5 lbs/yd ² (2.948 kg/m ²)
Adhesive	Porous & Non-porous Substrates: V-95 Full Spread, 2-part Epoxy MoistureLoc Full Spread, One-Component V-88 Full Spread XpressStep for LVT & Sheet Vinyl Full Coverage Spray Note: Must use V-95, MoistureLoc, QuickStix or XpressStep adhesive under hospital beds and heavy rolling load areas. 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. 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 - 11/2" Mandrel - No Crack/Break
Static Load (ASTM F970)	Passes - Residual Indent ≤ 0.005"
Static Load (ASTM F970 mod.)	Passes - 2,000 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)	50 - 6" Concrete with Drop Ceiling
Acoustic STC (ASTM E90)	63 - 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	Third party verified EPD, HPD
Carbon Offset	105% Cradle to Gate (A1-A3), see website for additional information
LEED	May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials; Building Product Disclosure & Optimization - IEQc2 - Low Emitting Materials
mindful MATERIALS	Visit mindfulmaterials.com for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver
Manufacturing	
Warranty	
	Limited 12-Year Commercial Warranty Limited 12-Year Quantum Guard Elite® Wear Warranty

Note: Visual/Color variations can occur from roll to roll. This variation does not affect product performance. Dye lot maximum of 1,000SY.