





Cover: Variations 4 Modular - Wired 12202 (Installation 24" x 24" - Shuffled)
Above: Variations 4 Broadloom - Wired 12202



Variations 4 Modular - Wired 12202 (Installation 24" x 24" - Monolithic)



Variations 4 Modular - Wired 12202 (Installation 18" x 36" - Herringbone) 500 sq yd minimum



Variations 4 Modular - Wired 12202 (Installation 18" x 36" - Vertical Ashlar) 500 sq. yd. minimum



Variations 4 Modular - Wired 12202 (Installation 18" x 36" - Basket Weave) 500 sq yd minimum



Variations 4 Modular - Shown with Connected Collection Patterns SOCIAL and OFFLINE, all in color Linked 14199

Variations 4

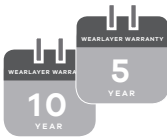
Style	Variations 4 Broadloom	Variations 4 Modular (Non-Ortho Phthalate)	Variations 4 Modular (Non-Ortho Phthalate)
Construction	Enhanced Textured Loop	Enhanced Textured Loop	Enhanced Textured Loop
Face Fiber	Antron® Lumena™ Type 6,6 Nylon	Antron® Lumena™ Type 6,6 Nylon	Antron® Lumena™ Type 6,6 Nylon
Dye Method	Solution	Solution	Solution
Gauge	1/10 (39.37 per 10 cm)	1/10 (39.37 per 10 cm)	1/10 (39.37 per 10 cm)
Stitches Per Inch	11.16 (43.94 per 10 cm)	11.16 (43.94 per 10 cm)	11.16 (43.94 per 10 cm)
Density	7,200 (267.54 Kg/m3)	7,200 (267.54 Kg/m3)	7,200 (267.54 Kg/m3)
Pile Thickness	0.100" (2.54 mm)	0.100" (2.54 mm)	0.100" (2.54 mm)
Weight	20 oz/sq yd (678 g/m2)	20 oz/sq yd (678 g/m2)	20 oz/sq yd (678 g/m2)
Backing Type	UltraBac® RE & Ingebra HP®	Infinity® Modular	Infinity® Modular
Size	12' (3.66 m)	24" x 24" (60.96 x 60.96 cm)	18" x 36" (45.72 x 91.44 cm)
Colors	20	20	20
Pattern Repeat	N/A	N/A	N/A
Packaging	N/A	6.22 Sq Yards / 14 tiles	6.00 Sq Yards / 12 tiles
Adhesive	Mannington Integra-2 Adhesive / Mannington Ultra Adhesive	Infinity Adhesive	Infinity Adhesive
Installation Method	N/A	Monolithic / Horizontal Brick Ashlar / Quarter-Turned / Shuffled	Monolithic / Horizontal Brick Ashlar / Quarter-Turned / Shuffled
Testing			
Dimensional Stability AACHEN Test	Passes	Passes	Passes
Electrostatic Propensity (AATCC 134)	Less than 3.0 KV	Less than 3.0 KV	Less than 3.0 KV
Radiant Panel (ASTM E648)	≥ 0.45 watts/cm2	≥ 0.45 watts/cm2	≥ 0.45 watts/cm2
	Passes (Class 1)	Passes (Class 1)	Passes (Class 1)
Smoke Density (ASTM E662)	≤ 450-Passes	≤ 450-Passes	≤ 450-Passes
Methenamine Pill Test (ASTM D-2859)	Passes	Passes	Passes
Hexapod (ASTM D5252) TARR Rating	3.5	3.5	3.5
Environmental Data			
NSF / ANSI-140 Certification	UltraBac® RE - Platinum / Integra HP® - Gold	Infinity® Modular - Gold	Infinity® Modular - Gold
Recycled Content	Contains Post and Pre Consumer		
Indoor Air Quality	CRI Green Label Plus Certified		
Recyclability	LOOP®		
LEED Scoreboard	May contribute to LEED Credits. LEED 2009: MRc5 Regional Materials, MRc6 Rapidly Renewable Materials, IEQ4.1 Low Emitting Adhesives, IEQ4.3 Low Emitting Materials-Flooring LEEDv4: Building product disclosures & optimization - EPDs, Building Product disclosure & optimization - sourcing raw materials, IEQc2 - Low Emitting Materials		
Product Declarations	N/A		
mindful Materials	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information		
Manufacturing	Calhoun, Georgia (USA) - ISO 14001 Certified		
Warranty			
	Limited Lifetime Wear & Backing Limited 15-Year XGUARD® Stain Resistant Limited 15-Year ColorSafe Bleach Resistant		

- Specifications are based on averages from normal manufacturing tolerances. Such variations do not affect product performance.
- Protective chair pads are recommended under office chairs with roller castors to preserve appearance and avoid premature wear.
- As with all quality carpets, slight variation in color may occur from dye lot to dye lot.
- Backing or other materials may be changed without prior notice when shortages occur or when technological advancements provide improved product performance.
- This product is intended solely for use as an indoor floor covering and is not recommended or sold for any other purpose.
- The inherent characteristics of geometric linear patterns can result in double-dark or double-light lines at the seam and to some extent pattern run-off or bias. This is not a manufacturing defect, and as such, should be considered when selecting a modular carpet installation method.
- Please make final selection from actual swatch. To order samples go to manningtoncommercial.com or call 800.241.2262 ext. 6913.

Resilient Sheet with Quantum Guard® HP

Quantum Guard® HP:
Patented Performance

- Highest performance commercial urethane finish in the industry
- No polish
- Enhances durability, cleanability, appearance, and slip retardance when compared to standard resilient floors
- Significant reduction in overall lifecycle cost greatly lowers total cost of ownership



* Warranty may vary by product type

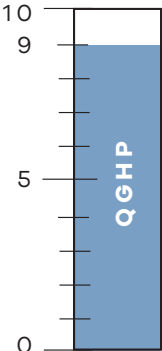
Mohs Hardness Scale

10 = Natural diamond

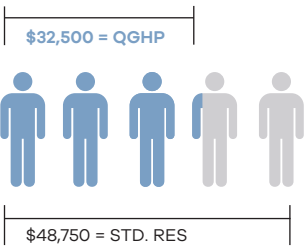
9 = QGHP

7 = Quartz

2 = Urethane without aluminum oxide



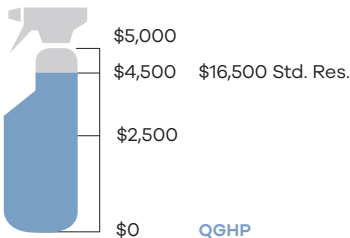
Regular Maintenance Annual Total



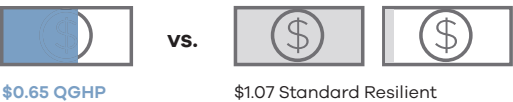
39%

ANNUAL MAINTENANCE SAVINGS PER SQ. FOOT

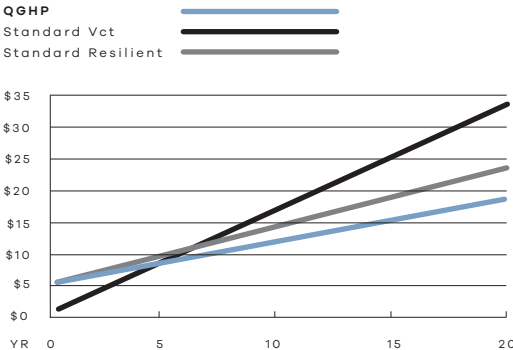
Restorative Maintenance
Annual Total



Total Annual Cost per Sq. Ft.



Cumulative Cost per Sq. Ft. by Year



Break Even on Product and Maintenance Cost Difference Between:

VCT vs. QGHP = 3 Years
Standard Resilient vs. QGHP = 1 Year

Mannington Assurance II

Construction	Homogeneous Slip Resistant Sheet
Classification	ASTM F1913 - Sheet Vinyl Floor Covering without backing
Total Thickness	.080" (2.03 mm)
Finish	Quantum Guard® HP
Width	6' (1.83 m)
Colors	27
Pattern Repeat	Random Repeat, reverse sheet for seaming
Packaging	30 - 73 sq.yd. (73 sq.yd. roll is approx. 100 Lineal feet)
Weight	6.5 lbs./sq.yd. (3.53 kg/m²)
Adhesive	Porous & Non-Porous Substrates: V-88 Full Spread, Transitional Pressure Sensitive, High Moisture V-95 Full Spread 2-part Epoxy XpressStep for Sheet Vinyl Full Coverage Spray Porous Substrates Only: V-82 Full Spread Note: Must use V-95 or XpressStep for Sheet adhesive under hospital beds and heavy rolling load areas. Use V-95 in Operating Rooms or where higher risk of topical moisture would be a concern.
Seam Method	Mannington Commercial Weld Rods or MLG-33 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 or exceeds
ADAG (American Disability Act Guidelines)	Passes
Flexibility (ASTM F137)	Passes - 1 ½" No Crack/Break
Static Load (ASTM F970)	Passes - Resid. Indent ≤ 0.005 in.
Static Load (ASTM F970 mod.)	Passes - 2,000 PSI; Resid. Indent ≤ 0.005 in.
Rolling Resistance/Castor Chair (ISO 4918)	25,000 Cycles, No Significant Change
Short Term Residual Indentation (ASTM F1914 / F1303)	Passes - Must Be ≤ 0.007 in.
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)	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 v1.1-2010
LEED Scoreboard	May contribute to LEED Credits LEED 2009: MRc5 Regional Material; IEQ4.1 Low Emitting Adhesives; IEQ4.3 Low Emitting Materials - Flooring LEEDv4: Building Product Disclosure & Optimization - EPDs; IEQc2 - Low Emitting Materials EPD NSF/ANSI 332 Gold
Product Declarations	
Sustainability Assessment for Resilient Floor Coverings	
mindful Materials	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Manufacturing	Salem, NJ (USA) - ISO 14001 EMS Certified & ISO 9001 QMS
Warranty	
	Limited 5 Year Commercial Warranty
	Limited 5 Year Quantum Guard® HP Wear Warranty