

AMTICO | ABSTRACT



MANNINGTON COMMERCIAL | *Amico*  
COLLECTION



**COVER: UMBRA DUSK AROAUA24 in Broken Bond Layout**

**ABOVE: UMBRA ECLIPSE AROAUA33 in Random Stone Layout**



UMBRA VEIL AROAUA13, UMBRA DUSK AROAUA24 in Kite Layout



CHROMA BLACK AROACH22 in Block Weave Layout



CHROMA GOLD AROACH79 in Broken Bond Layout

## SIGNATURE LAYING PATTERNS - OBLIQUE SQUARE

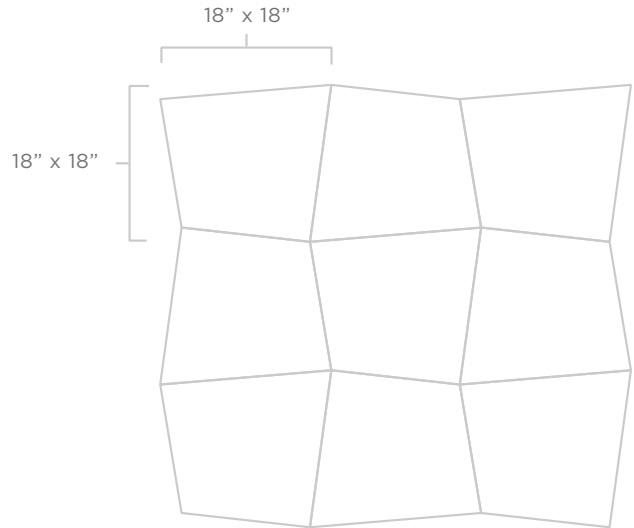
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### ENDLESS POSSIBILITIES

Classic or contemporary. Bold or understated. Traditional or daring. Ever beautiful, the Am-tico Signature Collection offers endless possibilities for creating memorable flooring.



Pattern: AROD8700S  
Size: 18" x 18"



#### ALLURE DC170

Bold contrasting textures in complementary tones create a dynamic combination.

#### CREATED WITH:

Patina Vapour  
Fragment Astro  
Alchemy Storm  
Stria Rock



This is just one example, discover more at  
[MANNINGTON.COMMERCIAL.COM/DESIGN-TOOLS](http://MANNINGTON.COMMERCIAL.COM/DESIGN-TOOLS)



**STONE - Graphite Slate AROSSL23, FEATURE STRIPPING - Concrete Pale AROSCN30**

## Feature Stripping

Add contrast, create a grout effect or define tile and plank shapes with Amtico feature stripping. Available in a choice of five sizes.

Feature stripping is available in the following sizes, 2 mm thickness\*

1/8" x 36" (3.2 mm x 914.4 mm)

1/4" x 36" (6.4 mm x 914.4 mm)

3/8" x 36" (9.5 mm x 914.4 mm)

1/2" x 36" (12.7 mm x 914.4 mm)

3/4" x 36" (19.1 mm x 914.4 mm)

 American Oak AROW7050

 Wenge Wood AROW7490

 Cirrus Air AROW8100

 Stria Sediment AROSMS14

 Stria Volcanic AROSMS42

 Shimmer Denim AROASE39

 Bronze AROAMP18

 Pure Plain Black AROAPN22

 Fused Birch AROW7500

 Wild Walnut AROW7620

 Mirabelle Creme AROSMB14

 Stria Basalt AROSMS43

 Concrete Pale AROSCN30

 Silver AROAMP38

 Gold AROAMP78

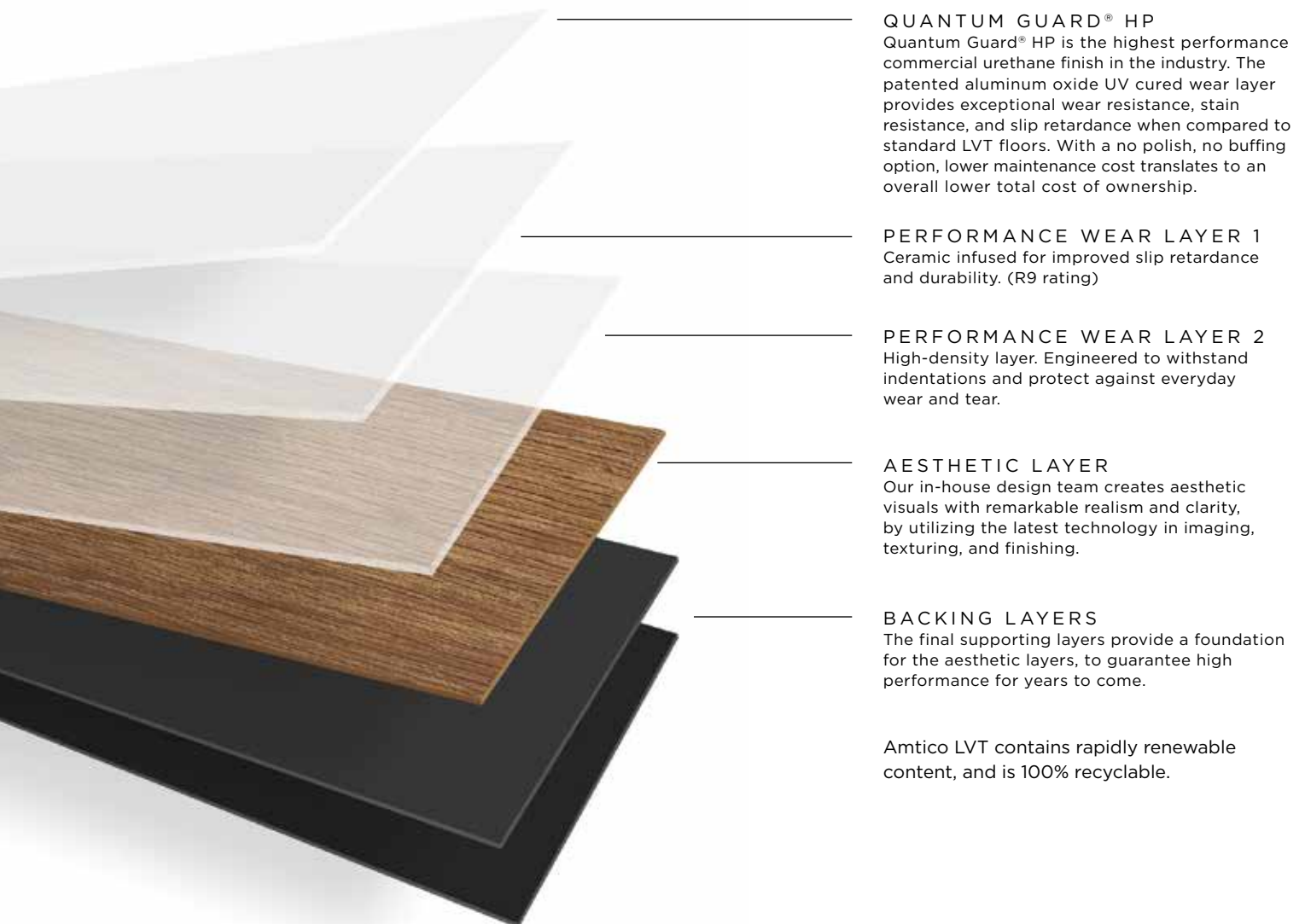
 Pure Plain White AROAPN11

\* Sizes shown are not actual size

## MULTI-PERFORMANCE SYSTEM (MPS) WITH QUANTUM GUARD® HP

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The Amtico Collection's finishes innovatively combine texture, color, and pattern to create a vibrant product ideal for expressing any design vision. Our diverse product collection includes wood, stone, and abstract visuals. The Amtico Collection is extremely durable and highly flexible, allowing for design creativity and proven performance. Our floors are constructed using our world leading Multi-Performance System (MPS), providing the most durable and highest fidelity offering in LVT, backed by our 20 year commercial warranty.



### QUANTUM GUARD® HP

Quantum Guard® HP is the highest performance commercial urethane finish in the industry. The patented aluminum oxide UV cured wear layer provides exceptional wear resistance, stain resistance, and slip retardance when compared to standard LVT floors. With a no polish, no buffing option, lower maintenance cost translates to an overall lower total cost of ownership.

### PERFORMANCE WEAR LAYER 1

Ceramic infused for improved slip retardance and durability. (R9 rating)

### PERFORMANCE WEAR LAYER 2

High-density layer. Engineered to withstand indentations and protect against everyday wear and tear.

### AESTHETIC LAYER

Our in-house design team creates aesthetic visuals with remarkable realism and clarity, by utilizing the latest technology in imaging, texturing, and finishing.

### BACKING LAYERS

The final supporting layers provide a foundation for the aesthetic layers, to guarantee high performance for years to come.

Amtico LVT contains rapidly renewable content, and is 100% recyclable.



### 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 LVT floors
- Significant reduction in overall lifecycle cost greatly lowers total cost of ownership



\* WARRANTY MAY VARY BY PRODUCT TYPE

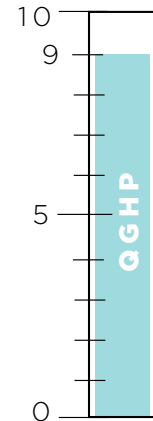
### MOH HARDNESS SCALE

10 =

9 = QGHP

7 = Quartz

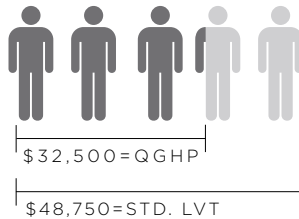
2 = Urethane without aluminum oxide



**70%**

ANNUAL MAINTENANCE SAVINGS PER SQ. FOOT

#### REGULAR MAINTENANCE ANNUAL TOTAL



#### TOTAL ANNUAL COST PER SQ. FT.

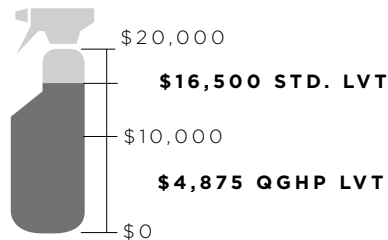


\$0.66 STANDARD LVT

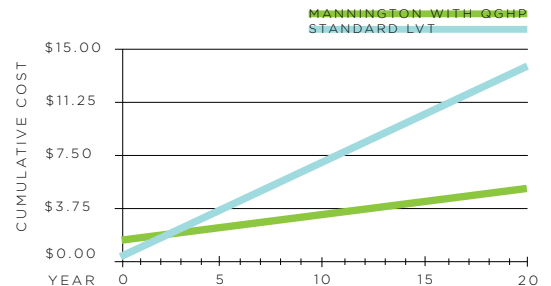


\$0.20 QGHP LVT

#### RESTORATIVE MAINTENANCE ANNUAL TOTAL









#### CUMULATIVE COST PER SQ. FT. BY YEAR







Break Even on Product and Maintenance Cost Difference Between:  
LVT VS. QGHP = 2 YEARS









## PERFORMANCE AND FEATURES

	<p>AVAILABLE SIZES</p>	<p>12" x 12", 12" x 18", 12" x 24", 18" x 18", 18" x 24", 18" x 36", 18" x 48", 7.25" x 48", 9" x 48", 3" x 36", 4.5" x 36", 6" x 36", 9" x 36", 18" x 36", 24" x 48". All with micro-beveled edges. Sizes are style dependent.</p>
 <p>QGHP</p>	<p>QUANTUM GUARD® HP</p>	<p>The highest performance commercial urethane finish in the industry. The patented aluminum oxide proprietary wear layer eliminates the need for polish, while enhancing durability, cleanability, appearance retention and slip retardance when compared to standard LVT floors – resulting in 70% annual savings in maintenance costs.</p>
	<p>RAPIDLY RENEWABLE CONTENT</p>	<p>Contains 4% rapidly renewable resource content.</p>
	<p>WARRANTY</p>	<p>This product is backed by our Limited 20 Year Commercial Warranty. Limited 20 Year Quantum Guard® HP Wear Warranty.</p>
	<p>QUICKSTIX</p>	<p>LVT with 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.</p>
	<p>XPRESS</p>	<p>When you really need it now. Our innovative delivery program ensures that you get the carpet and hard surface products you need quickly and reliably. With product available to ship within 5 business days, Mannington's new Xpress program leads the industry in service.</p>

## SUSTAINABILITY















	<p>ENERGY LEADERSHIP</p>	<p>With one of the largest solar arrays in the flooring industry (3.3 acres in Salem NJ) and ambitious goals to improve energy efficiency by 25% over ten years, we have an ongoing partnership with the Department of Energy to lead manufacturing into smarter energy use, as well as to reduce related carbon emissions.</p>
	<p>WATER REDUCTION</p>	<p>Water is a precious natural resource and a key component in manufacturing. By investing in technology and a continual emphasis on efficiency and lean manufacturing, we have reduced our water use by 30% company-wide since 2007. We also actively help protect wetlands in the communities where we make flooring.</p>
	<p>SOLAR ARRAY</p>	<p>At 3.3 acres, we have one of the largest solar arrays in the flooring industry, generating 1,000,000 kilowatt hours annually.</p>
	<p>US MANUFACTURING</p>	<p>Mannington is a fourth generation, family-owned company deeply committed to U.S. manufacturing. We make flooring in seven communities across the U.S., allowing us to provide the highest levels of service and quality in the industry, while supporting local economies and crafting quality, American-made products.</p>

## SUSTAINABILITY

	<p>ISO 14001</p>	<p>ISO 14001 is a global environmental standard that provides a system for continual improvement in environmental performance.</p>
	<p>3RD PARTY CERTIFICATIONS</p>	<p>Certifications help navigate the world of green marketing claims. So we invest in ISO-14001 and environmentally preferable product certifications including NSF/ANSI-140, NSF/ANSI-332, FloorScore, and Green Label Plus. All of our products contribute to multiple LEED and Green Globe credits.</p>
 <p>EPD</p>	<p>ENVIRONMENTAL PRODUCT DECLARATION</p>	<p>EPDs communicate the comprehensive life cycle assessment of a product's environmental impact and facilitate transparency. Our EPDs conform to international standards and are 3rd party verified by ThinkStep and Underwriters Laboratory.</p>
	<p>PURPLE MARTINS</p>	<p>In the mid-1980s, we began attracting migrating birds called Purple Martins to our New Jersey manufacturing campus as a more natural alternative to the use of pesticides. This "Purple Martin Project" has proven to be an incredibly environmentally friendly and cost effective way to control insects. Our employees are engaged in the banding and tracking of the birds.</p>
	<p>HONEYBEES</p>	<p>In 2009, as part of an effort to show how an industrial enterprise can coexist with the agricultural &amp; farming community and positively contribute to both, Mannington's New Jersey corporate site began to house honeybees. We now have 5 hives in Salem, NJ and 4 in Eustis, FL. The honeybees are thriving and each year we are able to enjoy and share the honey produced.</p>
	<p>CE MARK</p>	<p>Certifies that a product has met EU health, safety, and environmental requirements, which ensure consumer safety. Manufacturers in the European Union (EU) and abroad must meet CE marking requirements where applicable in order to market their products in Europe.</p>
	<p>CLIMATE REGISTRY</p>	<p>Mannington is dedicated to reducing our greenhouse gas emissions by 25% over 10 years. Since 2007, a 10% reduction can be attributed to energy efficiencies, process efficiencies, and use of renewable energy. Additional information can be found on <a href="http://theclimateregistry.org">theclimateregistry.org</a>.</p>
	<p>RAPIDLY RENEWABLE CONTENT</p>	<p>Contains 4% rapidly renewable resource content.</p>



**SPECIFICATIONS | AMTICO COLLECTION | ABSTRACT**

	<b>CONSTRUCTION</b>	LVT with micro-beveled edges
	<b>STANDARD AVAILABLE SIZES</b>	12" x 12", 12" x 18", 12" x 24", 18" x 18". Other sizes available - refer to brochure matrix for specific product sizes.
	<b>OVERALL THICKNESS</b>	0.098" (2.5 mm)
	<b>WEAR LAYER THICKNESS</b>	40 mil (1 mm)
	<b>PIECES PER CARTON</b>	45 pcs of 12" x 12", 30 pcs of 12" x 18", 20 pcs of 12" x 24", 20 pcs of 18" x 18"
	<b>COVERAGE PER CARTON</b>	45 sq. ft. Depends on the product and product size
	<b>3RD PARTY CERTIFICATIONS</b>	FloorScore, Industry wide 3rd party Type III EPD (Environmental Product Declaration)
	<b>WARRANTY</b>	This product is backed by our Limited 20 Year Commercial Warranty and Limited 20 Year Quantum Guard® HP Wear Warranty.
	<b>QUANTUM GUARD® HP</b>	The highest performance commercial urethane finish in the industry. The patented aluminum oxide proprietary wear layer eliminates the need for polish, while enhancing durability, cleanability, appearance retention and slip retardance when compared to standard LVT floors - resulting in 70% annual savings in maintenance costs.
	<b>QUICKSTIX</b>	LVT with 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.
	<b>LEED</b>	Mannington Commercial products may contribute to multiple LEED credits.
	<b>XPRESS</b>	When you really need it now. Our innovative delivery program ensures that you get the carpet and hard surface products you need quickly and reliably. With product available to ship within 5 business days, Mannington's new Xpress program leads the industry in service.
	<b>US MANUFACTURING</b>	Mannington is a fourth generation, family-owned company deeply committed to U.S. manufacturing. We make flooring in seven communities across the U.S., allowing us to provide the highest levels of service and quality in the industry, while supporting local economies and crafting quality, American-made products.
	<b>RAPIDLY RENEWABLE CONTENT</b>	Contains 4% rapidly renewable resource content.
<b>STATIC LOAD LIMIT</b>		(Armstrong Modified @1000 PSI): Pass
<b>SPECIFICATION (ASTM F1700)</b>		Class III Type A & B
<b>HEAT STABILITY (ASTM F1514)</b>		Passes
<b>STAIN &amp; CHEMICAL RESISTANCE (ASTM F925)</b>		Passes
<b>HUD/FHA REQUIREMENTS</b>		Exceeds
<b>AMERICANS WITH DISABILITIES ACT GUIDELINES (ADAG)</b>		Meets or exceeds ADA Guidelines
<b>COEFFICIENT OF FRICTION (COF)</b>		≥ 0.5 Leather; 0.6 Rubber
<b>FLOORING RADIANT PANEL (ASTM E648)</b>		≥ 0.45 watts/cm <sup>2</sup> , Passes (Class I)
<b>N.B.S. SMOKE CHAMBER (ASTM E662)</b>		< 450 (non-flaming mode)
<b>INSTALLATION ADHESIVE</b>		Porous & Non-Porous Substrates: Amtico High Pressure Sensitive, Full Spread / RH 90%, MVER 8, pH5-9; Amtico 373, Full Spread / RH 80%, MVER 5, pH 7-10; XpressStep for LVT Spray Adhesive / RH 90%, MVER 8, pH11; XpressStep Premium Spray Adhesive / RH 93%, MVER 10, pH12. Non-Porous Substrates or where higher performance is required: Amtico Universal, Full Spread, 2 Part Urethane / RH 80%, MVER 5, pH 7-10. Under Hospital Beds and Heavy Rolling Loads: Amtico Universal, Full Spread, 2 Part Urethane / RH 80%, MVER 5, pH 7-10; XpressStep for LVT Spray Adhesive / RH 90%, MVER 8, pH11; XpressStep Premium Spray Adhesive / RH 93%, MVER 10, pH12. QuickStix pre-applied adhesive / 99% RH, MVER 18, pH12