

AGAINST THE GRAIN COLLECTION



MANNINGTON
COMMERCIAL



Cover: WITH THE GRAIN, CROSS GRAIN - Carved 14300 (Installation - Cross Banded)
Above: WITH THE GRAIN - Carved 14300 (Installation - Brick Horizontal Ashlar)

Construction	Tip-Sheared Patterned Loop	Finished weight	23 oz/sq yd (780 g/m ²)
Face fiber	Ultron® Type 6,6 Nylon	Density	5,557 (206.49 Kg/m ³)
Dye method	Solution / Yarn	Secondary backing	Infinity® Modular
Gauge	5/64 (50.39 per 10 cm)	Width	18" x 36" (45.72 x 91.44 cm)
Stitch per inch	10.33 (40.67 per 10 cm)	Installation	Brick Horizontal Ashlar, Boxweave, Cross Banded & Planked
Pile thickness	0.149" (3.78 mm)		



CROSS GRAIN - Carved 14300 (Installation — Monolithic)

Construction	Tip-Sheared Patterned Loop	Finished weight	23 oz/sq yd (780g/m ²)
Face fiber	Ultron® Type 6,6 Nylon	Density	5,557 (206.49 Kg/m ³)
Dye method	Solution / Yarn	Secondary backing	Infinity® Modular
Gauge	5/64 (50.39 per 10 cm)	Width	18" x 36" (45.72 x 91.44 cm)
Stitch per inch	10 (39.37 per 10 cm)	Installation	Monolithic, Brick Horizontal Ashlar, Boxweave, Cross Banded & Planked
Pile thickness	0.149" (3.78 mm)		



WITH THE GRAIN LOOP - Carved 14300 (Installation - Brick Horizontal Ashlar)

Construction	Textured Patterned Loop	Weight	22 oz/sq yd (746 g/m²)
Face fiber	Ultron® Type 6,6 Nylon	Density	5,954 (221.24 Kg/m³)
Dye method	Solution / Yarn	Secondary backing	Infinity® Modular
Gauge	5/64 (50.39 per 10 cm)	Width	18" x 36" (45.72 x 91.44 cm)
Stitch per inch	10 (39.37 per 10 cm)	Installation	Brick Horizontal Ashlar & Planked
Pile thickness	0.133" (3.38 mm)		



HAND SCRAPED - Carved 14300 (Installation — Monolithic)

Construction	Tip-Sheared Patterned Loop	Finished weight	23 oz/sq yd (780 g/m ²)
Face fiber	Ultron® Type 6,6 Nylon	Density	5,376 (199.76 Kg/m ³)
Dye method	Solution / Yarn	Secondary backing	Infinity® Modular
Gauge	5/64 (50.39 per 10 cm)	Width	18" x 36" (45.72 x 91.44 cm)
Stitch per inch	10 (39.37 per 10 cm)	Installation	Monolithic, Brick Horizontal Ashlar, Vertical Ashlar & Planked
Pile thickness	0.154" (3.91 mm)		



WITH THE GRAIN, CROSS GRAIN - Carved 14300 (Installation - Boxweave)



WITH THE GRAIN, WITH THE GRAIN LOOP, HAND SCRAPED & CROSS GRAIN -
Carved 14300 (Installation - Planked)











WITH THE GRAIN - Stipple 25311



Form 35305

SIGNATURE INSTALLATION METHODS

The **Against the Grain Collection** from Mannington Commercial was designed with flexibility in mind. Each pattern can be installed as a stand alone design or use multiple patterns in combination for a unique aesthetic tailored specifically for your space. Our Signature Installation Methods bring that high design, customized look to any interior project.

Our Boxweave, Planked, and Cross Banded installations are simple. Simply follow the below diagrams or print off a larger version of the diagram from our website at www.manningtoncommercial.com. Contractors should confirm the correct installation method prior to installation.

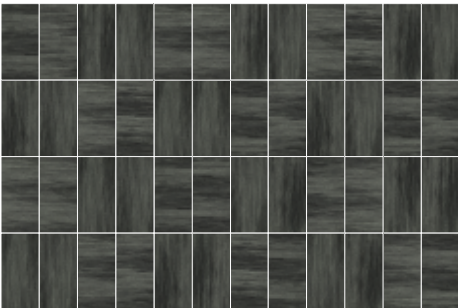
BOXWEAVE



PLANKED



CROSS BANDED



B	B	A	A	B	B	A	A	B	B	A	A
A	A	B	B	A	A	B	B	A	A	B	B
B	B	A	A	B	B	A	A	B	B	A	A
A	A	B	B	A	A	B	B	A	A	B	B

D	B	A	C	D	B	A	C	D	B	A	C
	A		D		A		D		A		D
B		C		B		C		B		C	
A		D		A		D		A		D	
C	B		C	B		C	B		C	B	

A	A	A	B	A	A	A	B	A	A	A	B
A	A	A	B	A	A	A	B	A	A	A	B
A	A	A	B	A	A	A	B	A	A	A	B
A	A	A	B	A	A	A	B	A	A	A	B

A = WITH THE GRAIN

B = CROSS GRAIN

C = HAND SCRAPED




D = WITH THE GRAIN LOOP











PERFORMANCE AND FEATURES

	AVAILABLE SIZE	Available in 18" x 36" plank tiles.
	ULTRON® FIBER	Ultron® Nylon 6,6 polymer features a tighter molecular structure with 20% higher resilience and 12% harder surface resulting in better appearance retention, better resistance to crushing, matting, abrasive wear and greater design flexibility.
	XGUARD®	XGUARD® Stain Resistant Technology offers the highest level of performance in permanent stain resistance. Protection against common stains and ease of maintenance results in significant long-term appearance retention and a lower total cost of ownership. Limited 15-Year XGUARD® Stain Resistant Warranty.
	INFINITY® MODULAR	Modular backing engineered for strong performance, with excellent tuft bind and dimensional stability. Resists delamination, edge ravel, pilling and fuzzing, and withstands aggressive wet cleanings. Available in standard 18" x 36" plank tiles. Infinity® modular contains pre-consumer recycled content. Certified NSF/ANSI-140 Gold.
	WARRANTY	Limited Lifetime Wear and Backing Warranty.





SUSTAINABILITY

	ENERGY LEADERSHIP	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.
	SOLAR ARRAY	At 3.3 acres, we have one of the largest solar arrays in the flooring industry generating 1,000,000 kilowatt hours annually.
	WATER REDUCTION	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 more than 35% since 2007. We also actively help protect wetlands in the communities where we make flooring.

SUSTAINABILITY

	<p>US MANUFACTURING</p>	<p>Mannington is a fourth generation, family-owned company deeply committed to U.S. manufacturing. We make flooring in eight 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>
	<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>LOOP®</p>	<p>We have a responsible end-of-life plan for the products we manufacture. Through our LOOP® reclamation, we take back post-consumer carpet and closed-loop recycle it back into carpet. We also have closed-loop recycling processes in place for our VCT and LVT products and produce the only carpet-to-hard surface flooring – resilient sheet with 35% recycled content.</p>
	<p>RECYCLED CONTENT</p>	<p>We actively seek out waste streams that clog America's landfills, looking for innovative ways to use them in new products. On average, 15 tons per month of drywall, the construction industry's largest waste stream, finds new life in our VCT products. We also reclaim post-consumer carpet and tile from other flooring companies, as well as tires, telephone books, automotive glass, and other waste streams that contribute to landfills, incorporating them into carpet and hard surface flooring.</p>
	<p>SAMPLE RETURN</p>	<p>We offer a postage-paid return label for every commercial product sample that we ship. So when you are finished with your project, you can return the sample. We will send it on to the next user; and at the end of its useful life, we donate samples to local charities, churches, schools and civic groups.</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>HONEY BEES</p>	<p>In 2009, as part of an effort to show how an industrial enterprise can co-exist with the agricultural & farming community and positively contribute to both, Mannington's New Jersey corporate site began to house honeybees, and now have 5 hives in Salem, NJ and 4 in Eustis, FL. The honey bees are thriving and each year we are able to enjoy and share the honey we produce.</p>
	<p>ISO 14001</p>	<p>ISO 14001 is a global environmental standard that provides a system for continual improvement in environmental performance.</p>

SUSTAINABILITY

	CRI GREEN LABEL PLUS	GL+ is an independent carpet testing program that exceeds the CHPS indoor environmental quality standards for low-emitting products used in commercial settings. All Mannington Commercial carpet products pass CRI Green Label Plus certification for low VOC emissions.
	CE MARK	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.
	CLIMATE REGISTRY	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 theclimateregistry.org .
	ENVIRONMENTAL PRODUCT DECLARATION	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 SSC and NSF International.



- Products should be selected based on manufacturer's performance recommendations for the specific end use. Cut piles, cut and loops and tip-sheared constructions are not recommended for heavy commercial traffic, corridors or through channeled traffic. Please contact your Mannington representative for information regarding these constructions and your specific end use application.
- 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 casters to preserve appearance and to avoid premature wear.
- As with all quality carpets, slight variation in color may occur from dye lot to dye lot.
- Backings 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.
- Styles in this collection vary in color from high to low contrast. Refer to actual sample when making final color and pattern selection.