



MAJOR FREQUENCY: ONE

Milliken



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THE VISUALISATION OF SOUND

Sound can beckon to the core of our emotions. What begins as a singular wave can multiply and curiously sync together, eventually inciting a poignant experience within each of us.



Fresh Colours. Range of Options.

Introducing Major Frequency: One, the first wave in a series of inspiration rooted in the realisation of sound's power. Through two organic patterns expressed in 12 unhindered colour options, this collection explores the possibilities that exist within raw and unencumbered cymatics.

DISTORTION

Distortion expresses a slightly larger, yet more diluted flow within positive and negative space.



Distortion in Flux | DTN27-152 | Ashlar (Vertical) Installation



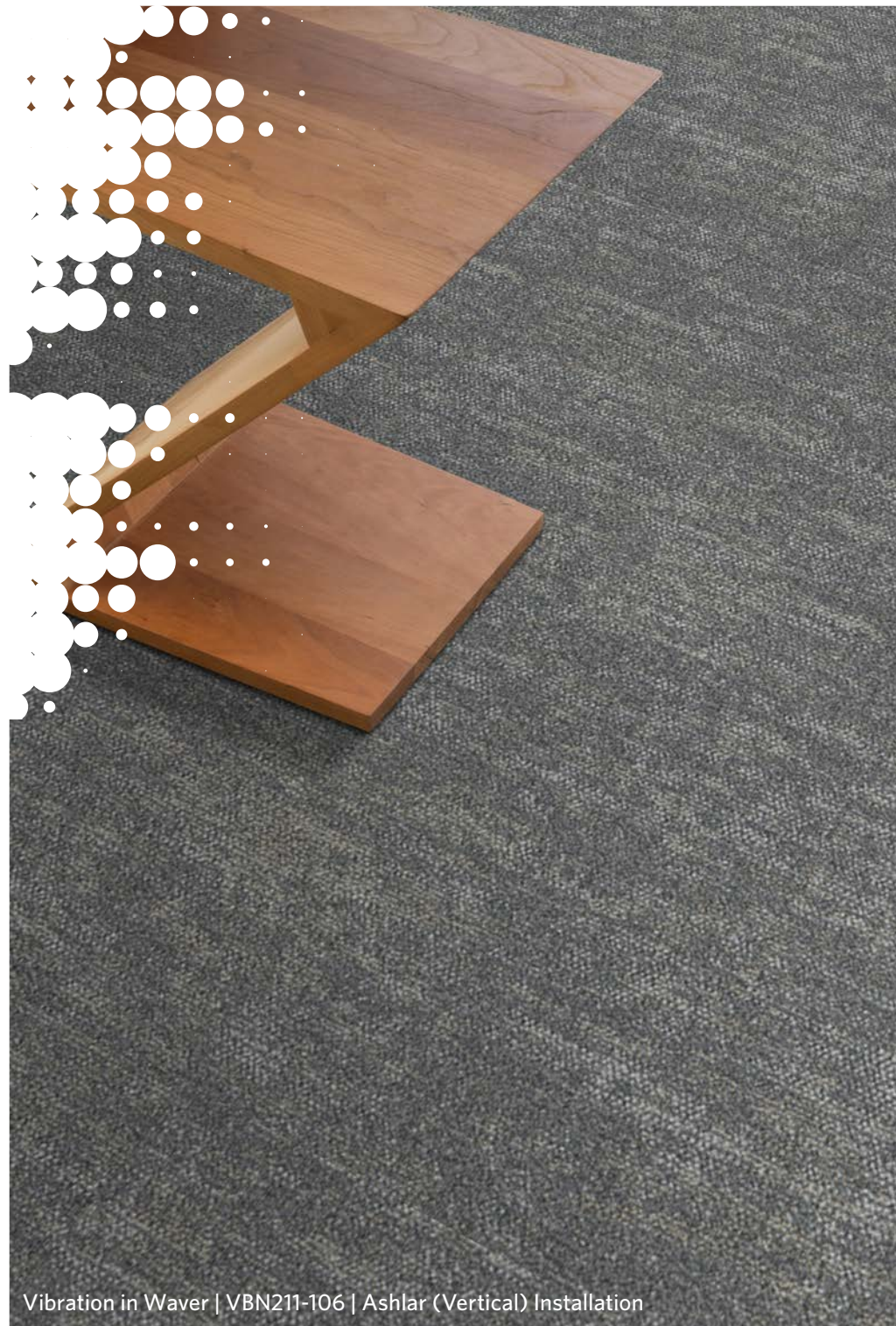
Walkway: Distortion in Static | DTN27-118 | Ashlar (Vertical) Installation
Insert: Distortion in Riff | DTN250-215 | Ashlar (Vertical) Installation



Distortion in Echo | DTN212-133 | Ashlar (Vertical) Installation



Distortion in Overtone | DTN211-27-217 | Ashlar (Vertical) Installation



Vibration in Waver | VBN211-106 | Ashlar (Vertical) Installation

VIBRATION

*Stippled and robust,
Vibration harnesses a finer,
more saturated vitality.*



Top to Bottom: Vibration in Perceive (VBN218-106) and Flux (VBN27-152) | Ashlar (Vertical) Installation



Left Walkway: Vibration in Modulation | VBN6-217 | Ashlar (Vertical) Installation
Workstations: Vibration in Riff (VBN250-215) and Reverb (VBN205-27) | Ashlar (Vertical) Installation



Field: Vibration in Strident | VBN79-152 | Ashlar (Vertical) Installation
Inserts: Distortion in Tremor | DTN209-118 | Ashlar (Vertical) Installation



Vibration in Static | VBN27-118 | Ashlar (Vertical) Installation

COLOURWAY

DISTORTION

					
DTN27-118 STATIC	DTN27-152 FLUX	DTN79-152 STRIDENT	DTN209-118 TREMOR	DTN250-215 RIFF	DTN205-27 REVERB
					
DTN218-106 PERCEIVE	DTN211-106 WAVER	DTN211-27-217 OVERTONE	DTN6-217 MODULATION	DTN212-133 ECHO	DTN259-217 MOTION

COLOURWAY

VIBRATION

					
VBN27-118 STATIC	VBN27-152 FLUX	VBN79-152 STRIDENT	VBN209-118 TREMOR	VBN250-215 RIFF	VBN205-27 REVERB
					
VBN218-106 PERCEIVE	VBN211-106 WAVER	VBN211-27-217 OVERTONE	VBN6-217 MODULATION	VBN212-133 ECHO	VBN259-217 MOTION



It takes humans to protect humanity.

Make changes to end climate change.
Design a better future.

M/PACT™
CARBON NEUTRAL PROGRAM

CLIMATE CHANGE IS ONE OF THE GREATEST THREATS FACING HUMANITY, AND WE ARE ALL RESPONSIBLE.

That's why Milliken Floor Covering launched the **M/PACT™** carbon neutral program. Today, our carpet, LVT and entrance flooring tiles are carbon neutral everywhere in the world.

M/PACT carbon neutral products offset the raw materials and manufacturing carbon footprint* by using 3rd party Verified Carbon Standard Credits that support renewable energy and carbon reduction technologies to help fight climate change. When you choose M/PACT products, you can be sure your choice is carbon neutral.



SCAN TO LEARN MORE ABOUT
OUR CARBON NEUTRAL PROGRAM

M/PACT™

M/PACT™
CARBON NEUTRAL PROGRAM

Investment

Today we invest through renewable energy credits, verified carbon offsets, and installing solar power at our Sydney manufacturing facility. We also continue to invest in more efficient manufacturing technologies and in local supply chains.

Materials

We believe material health is essential to enable circularity. The use of materials that don't contain harmful chemicals provides a critical pathway to end-of-life product recycling. Our carpet, LVT and entrance flooring tiles are recyclable.

Dematerialisation

We continue to support the advancement of a circular economy – one that uses less new raw materials and creates less waste. For example, we have created a portfolio of carpet tiles that use less raw material, reducing embodied carbon. We will continue to challenge ourselves and our supply chains to extend innovation in new technologies for dematerialisation.

Manufacturing

We leverage our global manufacturing and local supply chains to minimise carbon emissions. More efficient manufacturing and distribution not only reduces our global carbon footprint, it also has a direct positive impact on the communities we call home.

Wellness

Climate change directly impacts human health and wellness. Pollution. Natural disasters. Droughts. As a founding member of the Well Living Lab and a Well Portfolio Member, we aspire to design products that enhance well-being and quality of life of indoor spaces.

We will continue to do more to lower our carbon footprint.

The M/PACT™ program is long-term, because the fight to stop climate change will be a long one. As a global manufacturing company, we set 2025 goals that align with the United Nations Sustainable Development Goals. We push ourselves to meet our targets on Planet, Product, and People, including a 25% reduction in indexed greenhouse emissions by 2025. These 2025 goals are a benchmark for us to achieve more, faster. We encourage you to specify our carbon neutral products for all of your projects to ensure the climate change journey continues.

Together, we can make a positive **M/PACT™** on the world for generations.

* As calculated and verified scope A1-3 GWP through a ISO14025/ISO14040 compliant LCA and published in third party EPDs.

Milliken

WellBAC®

Milliken WellBAC® open cell foam cushion provides superior durability, appearance retention and cushioning.



UNDERFOOT COMFORT
Up to 24% greater underfoot comfort for enhanced ergonomics whilst standing.



ACOUSTIC VALUES
Up to 50% improved acoustics for quieter, more productive spaces.



INDOOR AIR QUALITY
Enhanced Indoor Air Quality (Green Label Plus™ Certified Low VOC) for improved occupant and installer well-being.



MOISTURE MITIGATION
Industry leading moisture management with non-reactive backings to enhance the installation process, saving time and money.



MATERIAL HEALTH
3rd party Verified Declare™ Red-List Free products for occupant and installer well-being.



CIRCULARITY
100% Recyclable through the Milliken N/XT LIFE™ circularity program for both installation waste and end-of-life.

FACE FABRIC

Patterns and structures made up of nylon yarns with our state of the art tufting technology.

PRIMARY BACKING

The face yarn is tufted through a high quality non-woven textile. The structure of the textile holds the yarn in place acting as the primary backing.

PRECOAT

The precoat layer locks the tufted yarns in the primary backing to ensure good tuft bind strength between the yarns and the backing.

FIBERGLASS

A high quality fiberglass layer is embedded in the polyolefin compound to ensure dimensional stability of the tile.

SECONDARY BACKING

Proprietary Polyolefin compound layer formulated by Milliken R&D scientists to create a durable and stable tile. Our formulation does not contain PVC or plasticizers.

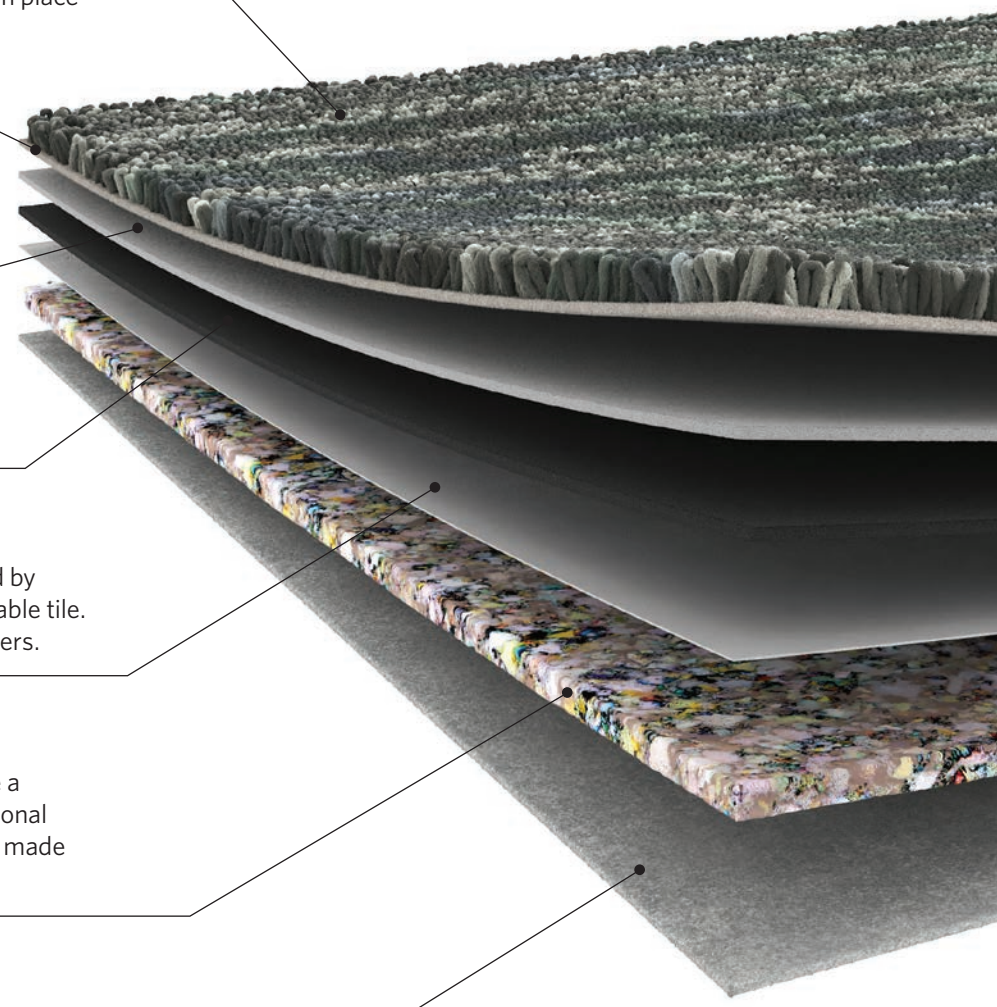
PREMIUM CUSHION

WellBAC® Comfort and Comfort Plus incorporate a premium cushion layer, designed to provide additional health and wellness benefits. Milliken's cushion is made from recycled polyurethane foam.

FELT BACK

A protective non-woven textile layer provides a breathable non-reactive finish. It enhances health and wellness.

Milliken's standard cushion backing system — offering enhanced underfoot comfort, acoustic and wear performance.



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DISTORTION | VIBRATION

SPECIFICATION



When you choose M/PACT™ products, you can be sure your choice is carbon neutral. M/PACT™ carbon neutral products offset the raw materials and manufacturing carbon footprint* by using 3rd party Verified Carbon Standard Credits that support renewable energy and carbon reduction technologies to help fight climate change.

*as calculated and verified through a ISO14025/ISO14040 compliant LCA and published in third party EPD.

Standard Backing	Cushion Backing WellBAC® Comfort (PVC FREE) (Non-Reactive Cushion Backing)
Acoustic Value	Noise Reduction Coefficient - NRC ≥ 0.25 Impact Sound Pressure Level - $L_{n,w} \leq 47dB$
Concrete Slab Moisture Mitigation	Site-Related Solutions (SRS): Milliken Cushion backed tile + Non-Reactive Standard Adhesive means installation 45 days after a new concrete pour, fully warranted no moisture testing required. Refer to millikenfloors.com.au

Construction	Tufted, Textured Loop	Lightfastness (AATCC 16E)	≥ 4.0 at 80 Hours
Tile Size	25cm x 100cm	Static Electricity	$\leq 3.5KV$
Yarn Type	90% Recycled Solution Dyed Nylon	(AATCC-134) 20% R.H., 70°F	
Stain Resist Soil Release	Built-In Protection	Indoor Air Quality	$\leq 0.5mg/m^3$ (GLP100130)
Dye Method	Solution Dyed	CRI Green Label Plus™	
Embodied Carbon	41 kg/m ² co ² E	VOC	Pass (ISO 10580:2010)
Gauge	1/12	ACCS Grading	CEHD(S) 4*, REHD2(S) 6*, Suitable for Stairs
Stitches Per Inch	9.5	Environmental	ECS Grading - Level 4 + (Core + No Chemicals of Concern + EPD + Carbon Neutral)
Tufts	114/in ² (1,766/100cm ²)		Declare - RED LIST FREE
Recyclable	100%		Cradle to Cradle - Silver
Recycled Content by Total Weight	60.3%		M/PACT™ Carbon Neutral Program
Nominal Total Thickness	8.8mm		Environmental Product Declaration (EPD)
Nominal Pile Thickness	2.0mm		Health Product Declaration (HPD)
Nominal Total Weight	95oz/yd ² (3,220g/m ²)		Works With WELL
Flammability (Radiant Panel Test)	CHF/CRF = 5.8kW/m ² Smoke Value = 211%. min		

The recognised Product Certification Initiatives in the Green Star rating tools that contribute to the responsible product value of Milliken carpet tiles are as listed. The Green Building Council of Australia recognises Responsible Products that may contribute to a Green Star rating through its Responsible Credits (rpv).

1. ECS Carpet Standard v2.2
2. Cradle to Cradle
3. Declare 2.0 - Red List Free
4. Science-Based Targets Initiative (SBTi)

GBCA
Responsible Product Value
30 rpv

Recommended Installation Method(s)	All Plank Methods
Recommended Area of Use	Commercial Extra Heavy Duty
Warranties	20-year Wear Warranty 20-year Dimensional Stability Warranty 20-year Anti-Static Warranty 20-year Castor Chair Wear Warranty

Thrive® matter



Declare.



Milliken

Distortion in Modulation | DTN6-217
Ashlar (Vertical) Installation

Australia:
Toll Free: 1800 668 372

New Zealand:
Toll Free: 0800 668 372

www.millikenfloors.com.au
(Australia & New Zealand)

This WellBAC® cushion-back carpet tile product is covered by one or more patents, published applications and/ or patents pending. Specifications are subject to normal manufacturing tolerances and may be changed without prior notice. Copies of actual test results are available upon request.

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