
TRACING LANDSCAPES
Milliken

TRACING LANDSCAPES



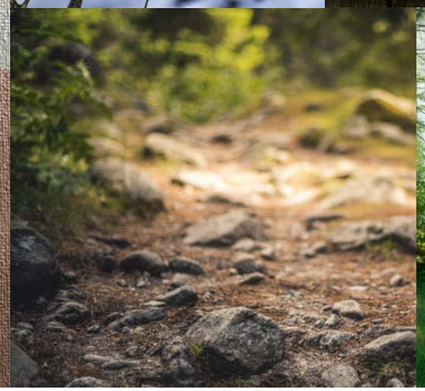
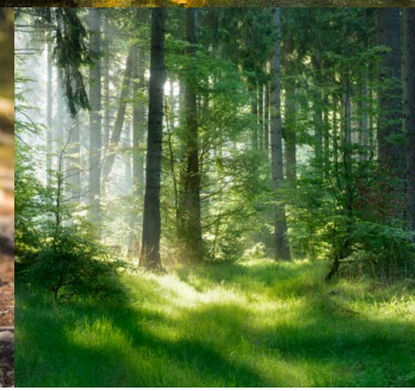










A favourite collection reinterpreted.
A beautiful colour evolution.

Workspaces have transformed, softened and become more flexible. Tracing Landscapes connects references from nature to offer a more relaxed colour palette featuring warm neutrals, natural pastels in peach and mint, as well as earthy browns and calming contemporary greens.

Geography Lesson



GLN254 Woolly Hat

TRACING LANDSCAPES

Field Study

FSY254 Woolly Hat



Left to Right: Field Study in Moorland Paths (FSY251), Geography Lesson in Little Knoll (GLN259) and Field Study in Rocky Ground (FSY102) | Monolithic Installation

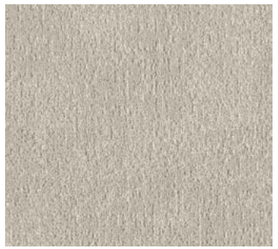
TRACING LANDSCAPES



Field Study in Moorland Paths | FSY251 | Monolithic Installtion

WARM GREY, BEIGE

Field Study



FSY251 Moorland Paths



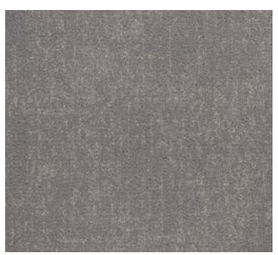
FSY220 Brisk Walk



FSY259 Little Knoll



FSY69 Wooden Stile



FSY165 Raised Beach

Geography Lesson



GLN251 Moorland Paths



GLN220 Brisk Walk



GLN259 Little Knoll

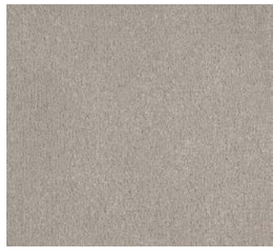


GLN69 Wooden Stile



GLN165 Raised Beach

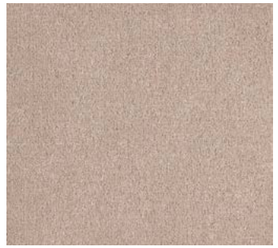
Field Study



FSY235 Quiet Viaduct



FSY204 Rugged Quarry



FSY236 Hot Toddy



FSY254 Woolly Hat

Geography Lesson



GLN235 Quiet Viaduct



GLN204 Rugged Quarry



GLN254 Woolly Hat

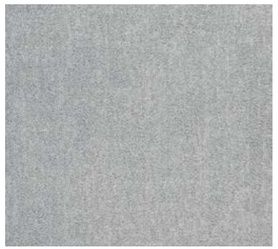
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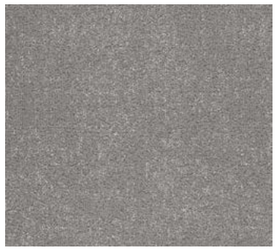
Field Study in Compass Point | FSY27 | Monolithic Installation

COOL GREY, BLACK

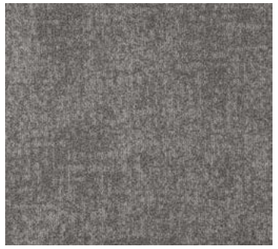
Field Study



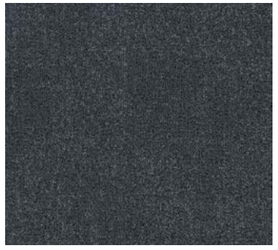
FSY144 Etched Valley



FSY05 Wind Vane



FSY13 Muddy Boots



FSY119 Secret Caves

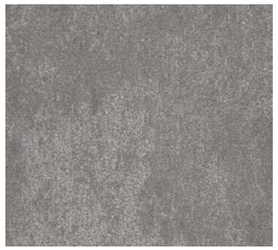


FSY27 Compass Point

Geography Lesson



GLN144 Etched Valley



GLN05 Wind Vane



GLN13 Muddy Boots

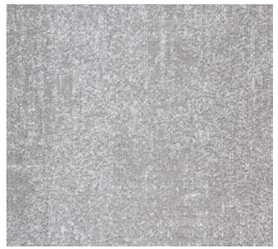


GLN119 Secret Caves

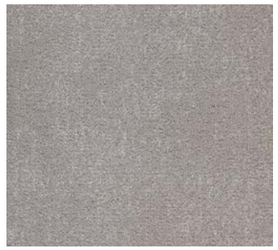


GLN27 Compass Point

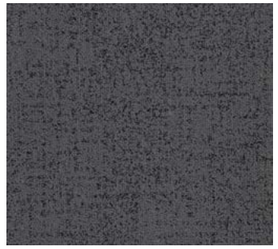
Field Study



FSY139 Silver Lakes



FSY06 Misty Mornings



FSY118 Grid Reference

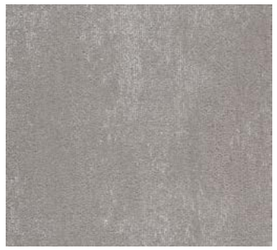


FSY79 Sheltered Bay

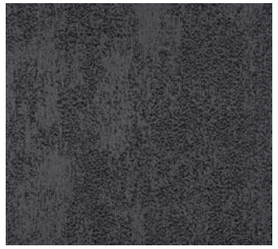
Geography Lesson



GLN139 Silver Lakes



GLN06 Misty Mornings



GLN118 Grid Reference



GLN79 Sheltered Bay

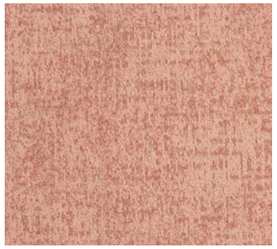
TRACING LANDSCAPES



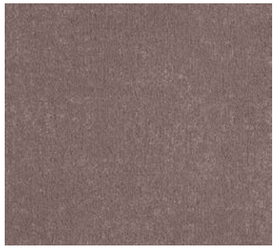
Left to Right: Field Study in Footbridge (FSY70), Moorland Paths (FSY251) and Open Glade (FSY240) | Monolithic Installation

PEACH, RUST, RED

Field Study



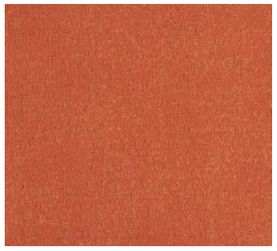
FSY262 Wild Orchard



FSY149 Sleeping Vista



FSY102 Rocky Ground



FSY128 Viewpoint



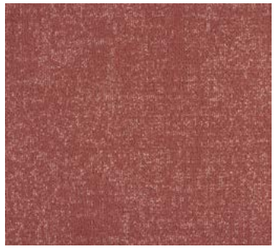
FSY109 Slope Line

Geography Lesson



GLN102 Rocky Ground

Field Study



FSY104 Dusky Evening



FSY70 Footbridge



FSY137 Hidden Path



FSY26 Crossing Point

Geography Lesson



GLN26 Crossing Point

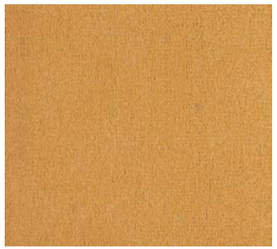
TRACING LANDSCAPES



Field Study in Open Glade | FSY240 | Monolithic Installation

GREEN, TEAL, BROWN

Field Study



FSY167 Sandbank



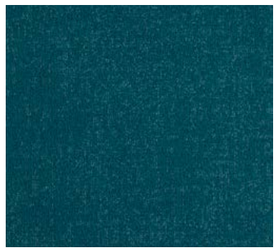
FSY240 Open Glade



FSY28 Embankment



FSY233 Towpath



FSY229 Hillside

Geography Lesson



GLN240 Open Glade

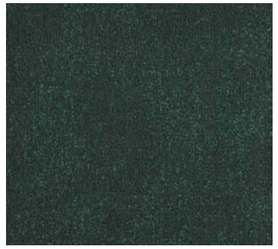
Field Study



FSY62 Curious Forest



FSY98 Warm Mittens



FSY274 Waymarking



FSY74 Verdant Climb

Geography Lesson



GLN74 Verdant Climb

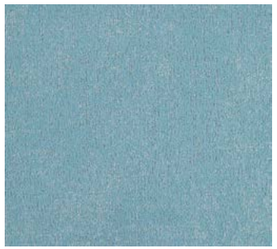
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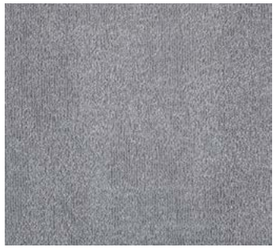
Field Study in Gaiters | FSY260 | Monolithic Installation

BLUE, BLUE GREY

Field Study



FSY140 Clear Day



FSY153 Grey Moss



FSY260 Gaiters



FSY199 Rucksack



FSY52 Base Layer

Geography Lesson



GLN153 Grey Moss

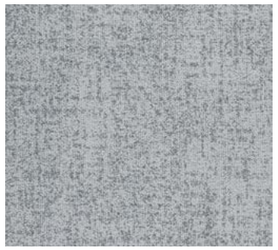


GLN199 Rucksack



GLN52 Base Layer

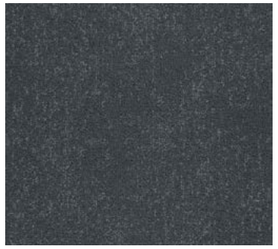
Field Study



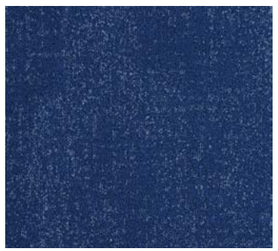
FSY180 High Cliffs



FSY126 Water Hole

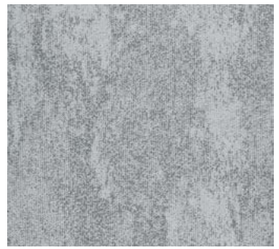


FSY46 Rolling Hills



FSY123 Fingerpost

Geography Lesson



GLN180 High Cliffs



GLN46 Rolling Hills



Left to Right: Field Study in Woolly Hat (FSY254), Little Knoll (FSY259) and Moorland Paths (FSY251)
Monolithic Installation



Geography Lesson in Woolly Hat | GLN254 | Monolithic Installation



Random: Field Study in Moorland Paths (FSY251), Little Knoll (FSY259), Woolly Hat (FSY254) and Rocky Ground (FSY102)
Monolithic Installation

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.

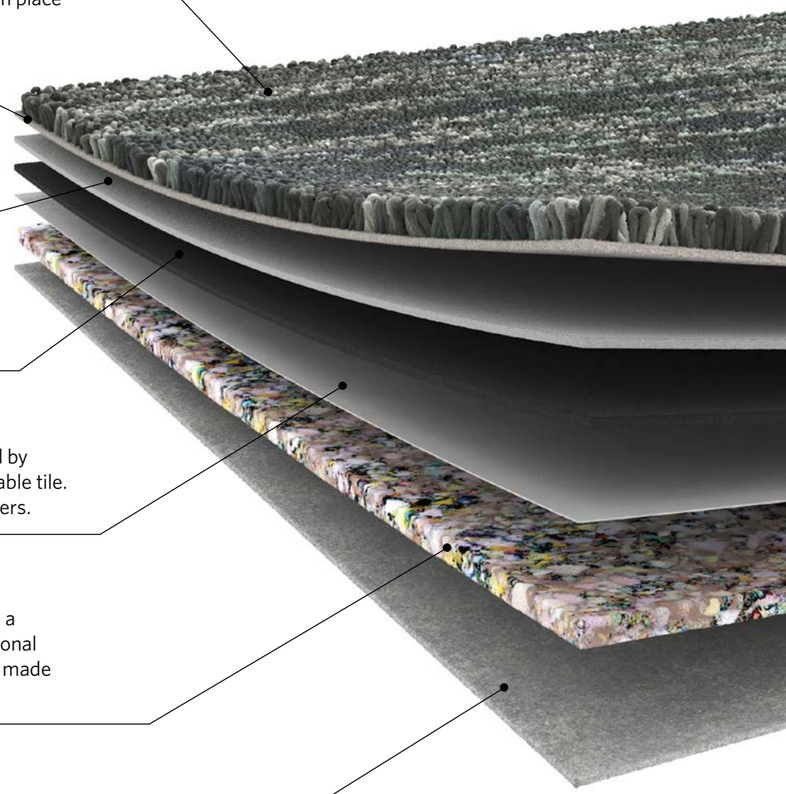
PRECOAT
The precoat layer locks the tufted yarns in the primary backing to ensure good tuft bind strength between the yarns and the backing.

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.

DESIGN FOR DISASSEMBLY - TRACTIONBACK®

TractionBack is a high friction coating applied to the back of Milliken carpet tiles and planks that allows clean, efficient, adhesive-free installation.

This proprietary layer is applied during the manufacturing process and has been engineered to secure the carpet to the floor, without the use of wet adhesives. This remarkable innovation also allows the carpet module to be easily lifted and replaced when required.



No compromise on indoor air quality

TractionBack is a formulation free of Volatile Organic Compounds (VOCs), that avoids the potentially harmful off-gassing and emissions associated with traditional adhesive systems. This makes TractionBack a much cleaner, healthier and safer method of modular carpet installation that positively considers the well-being of both the installer and the building's occupants.

A technically advanced, proven solution

This award-winning innovation has been created by the dedicated team at Milliken's in-house, industry leading Research and Development facility. TractionBack has been used successfully around the world, for over 15 years, for clean, efficient, and sustainable Milliken carpet installations.

Fully sustainable and kinder to our planet

Milliken's Innovation team is committed to environmental leadership and continuous improvement of products and processes. After extensive testing, Milliken has launched TractionBack which offers even better initial "grab" to the floor. It remains recyclable and provides a truly sustainable carpet installation solution.

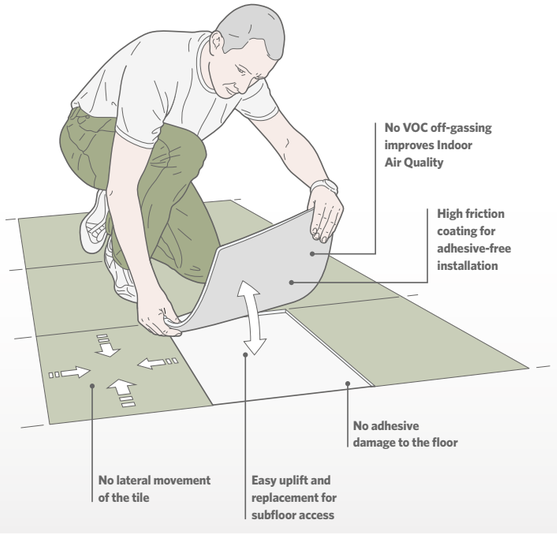
How does TractionBack work?

Milliken's unique TractionBack formulation has been specifically engineered to create a firm grip to a clean sub-floor surface without permanently adhering to the floor. This prevents any lateral movement of the carpet tile or plank across the floor when installed.

While this invisible coating is tacky to the touch, unlike traditional wet adhesives, it leaves no sticky residue on the hands or on the floor. This means Milliken carpet modules can be cleanly lifted and replaced without any mess or loss of performance.

TractionBack is applied during the carpet manufacturing process, to the full surface of the carpet backing for maximum grip. The coating is available, on request, on all Milliken cushion backed carpet tile and plank products.

Full installation instructions are available at millikenfloors.com.au



DESIGN FOR DISASSEMBLY - TRACTIONBACK®

1 MINIMAL IMPACT ON THE PLANET

All Milliken modular floor covering products are already carbon neutral and recyclable.

By consuming minimal raw materials and eliminating potentially harmful Volatile Organic Compounds (VOCs) from adhesives, TractionBack drives down the environmental impact of Milliken modular carpet even further.

- Pre-installation floor preparation treatments are eliminated
- No wasteful adhesives or adhesive containers
- No sticky tabs or packaging
- No harmful VOCs

2 CAN BE RECYCLED AND REUSED

TractionBack is ideally suited for recycling and reuse helping to achieve a circular economy.

As a completely clean method of carpet installation, TractionBack carpet tiles and planks do not become contaminated with the adhesives, or particles of the sub-floor, that can often hamper their recyclability. Modular carpet with TractionBack can be recycled through Milliken's Carpet Take Back Program.

3 INSTALLATION IS CLEANER AND HEALTHIER

With TractionBack, wet adhesives and floor sealants are largely eliminated.

This removes any of the sticky mess and potentially harmful off-gassing of VOCs often associated with on-site drying of these preparation products.

Milliken's TractionBack provides an odourless, non-toxic and VOC-free alternative. For the installer, this makes the installation of Milliken carpet a much cleaner and healthier process. For the building's occupants, there is absolutely no compromise to air quality post-installation. By eliminating VOCs TractionBack can help achieve the WELL certification goal for clean indoor air.

4 FASTER INSTALLATION, REDUCED DOWNTIME

As TractionBack has already been applied to the back of the tile or plank on delivery, it is ready to install straight out of the box!

TractionBack requires no floor surface pre-treatment** or adhesives and there are no sticky tabs or similar, to deal with. This makes the installation process so much easier and quicker for the modular carpet installer. For the client, it also minimises the disruption and downtime associated with other traditional modular carpet installation methods.

**a thorough floor clean is required prior to installation to remove loose surface dust and debris.



5 GREATER FLEXIBILITY FOR PHASED INSTALLATIONS

TractionBack takes considerably less time to install than conventional carpet installations.

Whether the carpet is for a new build or a refurbishment, carpet with TractionBack allows much greater flexibility for project managing carpet installations. This means it can be more easily scheduled into an interior fit-out program or worked around a client's on-site day-to-day business requirements.

6 MAINTENANCE COULDN'T BE EASIER

TractionBack carpet modules can be simply lifted and replaced.

If carpet tiles or planks become damaged, they can be easily removed without leaving sticky adhesive residues on the sub-floor.

For raised floors, access to the sub-floor is quick and convenient as carpet can be lifted and easily replaced multiple times, without any loss of grip.

7 SUB-FLOOR PROTECTION

Installed TractionBack tiles cause no damage to the sub-floor.

For buildings with a high frequency of occupancy change, building owners can find that sub-floors become contaminated with layers of adhesives and become damaged over time. Ridges can form with dirt and debris becoming embedded in the surface which is costly to repair or replace.

Milliken carpet with TractionBack offers the perfect solution, whether required to protect raised access sub-floors or something more precious such as marble or parquet.

When the carpet is lifted normal buffing returns the floor to its original condition.

8 TRACTIONBACK SAVES TIME AND MONEY

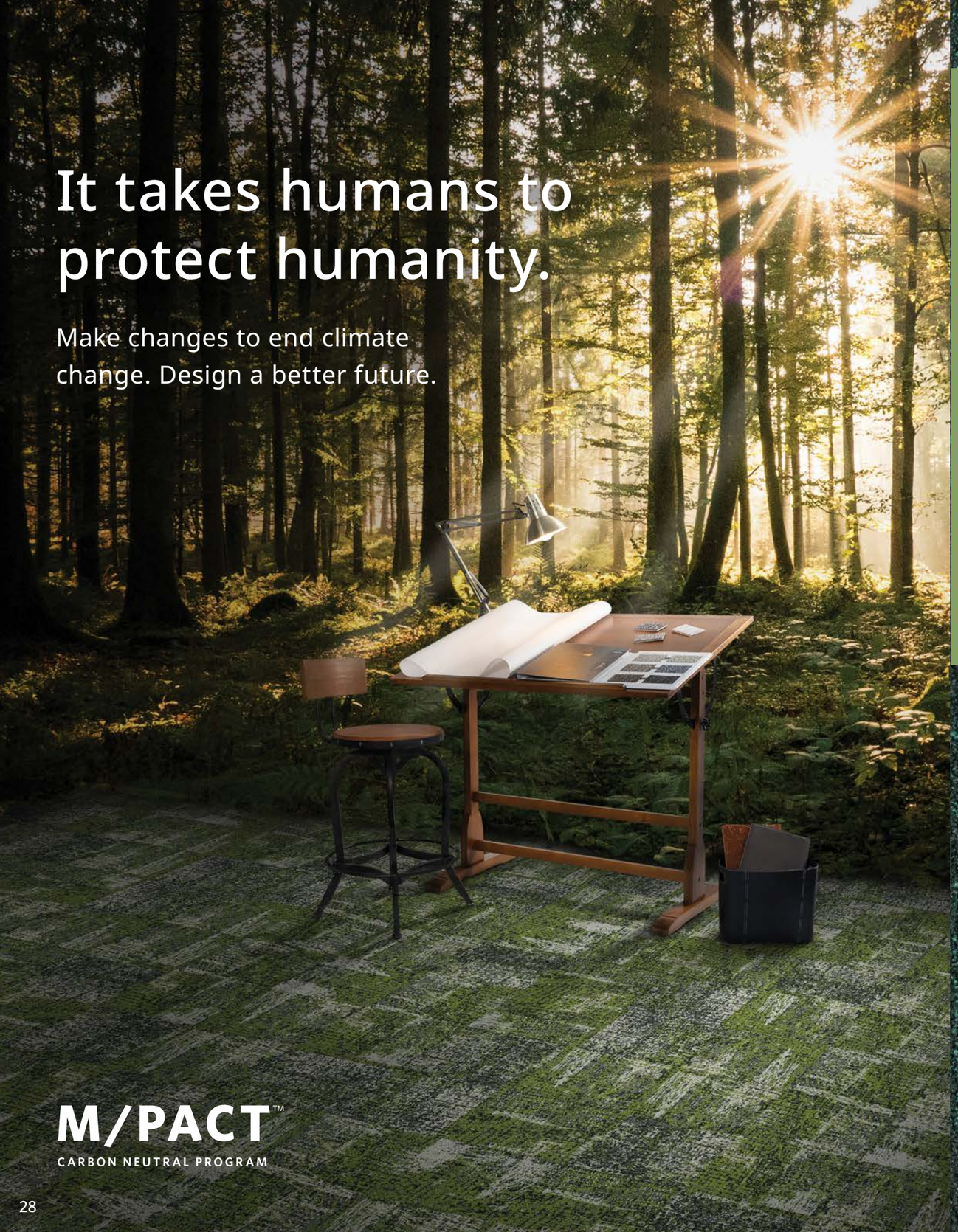
With TractionBack modular carpet installation there are no additional materials to order.

As the TractionBack coating is already applied to the tile or plank, there is no need to purchase any additional adhesives, tapes or sticky tabs in order to install the carpet.

At the end of the installation process, apart from recyclable tile boxes, there is nothing further to dispose of, no additional materials or their packaging.

As well as material cost savings, considerable labour savings can also be made on time for floor preparation and carpet fitting compared to alternative installation methods.

*Adhesive or alternative fixing may be required on small perimeter cuts, to prevent lifting when vacuum cleaning or in areas of extreme loads or high turning points. Typically over 97% of the adhesive requirement will be eliminated.



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™

Real sustainability doesn't start One Day - it start today!
For a bigger purpose. Recycling locally.
FROM DAY ONE.

Our N/XT Life™ Circularity Program sets the foundation for a truly circular future, starting **FROM DAY ONE**. Every material, every process, every decision is made with intention.

CLOSED-LOOP RECYCLING. FROM DAY ONE.

All our carpets are 100% recyclable locally in Australia and New Zealand.

NOTHING LEFT BEHIND. FROM DAY ONE.

Zero carpet waste to landfill. Every off-cut, every scrap—recycled and reborn, through our N/XT Life™ Circularity Program.

DESIGNED TO RETURN. FROM DAY ONE.

All our carpets are free of any chemicals of concern and certified Declare Red List Free—designed to live again and again.

The result is Renasci: an innovative flooring solution that closes the loop for good. Made possible by everything we've done right **FROM DAY ONE**.

WASTE. REINCARNATED.

Born of 80% carpet waste and 20% soft plastic waste, Renasci gives waste another life.

LIGHTER FOOTPRINT.

Renasci closes the loop right here in Australia and New Zealand—resulting in low embodied carbon.

BORN AGAIN. BY DESIGN.

Because of our N/XT Life™ Circularity Program, every Milliken carpet can live again as Renasci—completing the cycle for good.

N/XT LIFE™
CIRCULARITY PROGRAM

RENASCI™
PATENT PENDING

RENASCI™

An innovative flooring solution that closes the loop for good. Marking **DAY ONE** of a truly circular future.




Renasci | REN27 | Half-Drop Ashlar Installation


Renasci | REN144 | Half-Drop Ashlar Installation



Geography Lesson | Sheltered Bay | GLN79
Monolithic I nstallation

TRACING LANDSCAPES

Field Study | Geography Lesson

SPECIFICATION

M/PACT™ CARBON NEUTRAL PROGRAM

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 - Ln,w ≤ 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 www.millikenfloors.com.au

Construction	Tufted, Textured Loop, Tip Shear	**Flammability (Radiant Panel Test)**	Geography Lesson: CHF/CRF = 6.4kW/m², Smoke value = 107%.min Field Study: CHF/CRF = 7.2kW/m², Smoke value = 83%.min
Tile Size	50cm x 50cm		
Yarn Type	ECONYL® Solution Dyed 100% Recycled Nylon		
Stain Resist | Soil Release	Built-In Protection		
Dye Method	Solution Dyed		
Embodied Carbon	4.23 kg/m² co²E	**Lightfastness (AATCC 16E)**	≥ 4.0 at 80 Hours
Gauge	1/12	**Static Electricity (AATCC-134) 20% R.H., 70°F**	≤ 3.5KV
Stitches Per Inch	Geography Lesson: 10.25 Field Study: 10.18	**Indoor Air Quality**	≤ 0.5mg/m³ (GLP1095)
Tufts	Geography Lesson: 123/in² (1,907/100cm²) Field Study: 122/in² (1,893/100cm²)	**CRI Green Label Plus™**	
Recyclable	100%	**VOC**	Pass (ISO 10580:2010)
Recycled Content by Total Weight	70%	**ACCS Grading**	CEHD(S) 4*, REHD2 (S)6* Suitable for stairs
Nominal Total Thickness	Geography Lesson: 8.8mm Field Study: 9.2mm	**Environmental**	ECS Grading - Level 4 + (Core + No Chemicals of Concern + EPD + Carbon Neutral) Declare – RED LIST FREE Cradle to Cradle – Silver M/PACT™ Carbon Neutral Environmental Product Declaration (EPD) Health Product Declaration (HPD) Works with WELL
Nominal Pile Thickness	Geography Lesson: 2.9mm Field Study: 3.3mm		
Nominal Total Weight	Geography Lesson: 115 oz/yd² (3,900g/m²) Field Study: 118 oz/yd² (4,000g/m²)		

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 Methods	Field Study: Monolithic | Geography Lesson: Brick (Horizontal)
Recommended Area of Use	Commercial Extra Heavy Duty
Warranties	20-year Wear Warranty 20-year Anti-Static Warranty 20-year Dimensional Stability Warranty 20-year Castor Chair Wear Warranty

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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