

Te Whare Tapa Whā - Well-being Model by Tā Mason Durie

"When the layers of our existence – our whakapapa – are balanced, we are well.

When the those who stand beside us – our whānau – are present, we are well.

When the lines from generation to generation are open and connected, we are well.

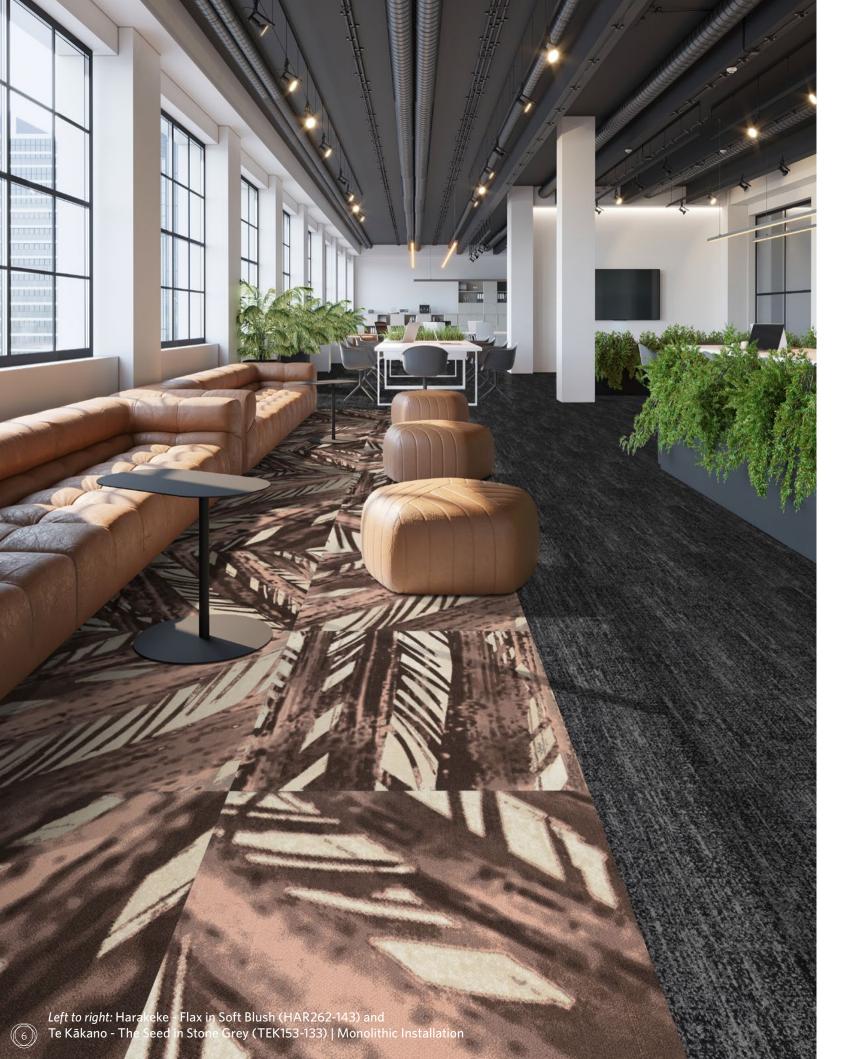
When we're comfortable with who we are and where we stand in the world, we are well.

Understanding all of this is grounding... being grounded is achieving balance... and balance is well-being."

Arnya Karaitiana, Rangitāne, Ngāti Ranginui, Te Arawa | Creative Director & Kaiārahi Māori

Well-wellness-balance Being human-being present





The Havakeke plant

In its natural state, the Harakeke is a herbaceous plant, characterised by its soft, non-woody form. Its strong, sword-like leaves are arranged side by side in two adjacent sets, enveloping the central growing point, or 'Rito'. These leaves appear intermittently woven in a fan-like pattern.



In Te Ao Māori (The Māori World), the Pā Harakeke (flax family) serves as a metaphor for whānau (family). This generational model, with its multiple layers of support, symbolises interconnectedness. At the heart of the Pā (bush) is the 'Rito', the central shoot, representing a child. The two flax blades directly beside the 'Rito' are the parents, known as 'Āwhi Rito'. The outer shoots are the 'Tīpuna' or grandparents, who provide strength and protection for the younger, more delicate flax leaves.

Deep within the long flax strands of the Pā Harakeke are even smaller muka fibres. These fibres intertwine the already slender strands, collectively holding the lifelines together as one unit.

About Amyon

"Those connections are life lines, a woven universe intermittently communicating to each other consciously and unconsciously. The lines we live by bring us into the present, they physically, mentally and spiritually connect us to our surroundings and maintain a strong bond throughout our lives."

Arnya Karaitiana Rangitāne, Ngāti Ranginui, Te Arawa Creative Director & Kaiārahi Māori

Arnya Karaitiana born in Hastings, Aotearoa, New Zealand is of Māori decent – Rangitāne, Ngāti Ranginui, Te Arawa. She shares her unique indigenous perspective from her Te Ao Māori view of the world, through an expression of connection, exploring the relationships between people and place.

Arnya brings profound expertise from over 15 years in the arts, design, and advertising sectors. Her fervour lies in purposeful design, craftsmanship, and storytelling, all aimed at creating experiences that resonate deeply and foster positive change.

She focuses on her sense of connection, strength and resilience that a strong whānau (family) foundation presents, while acknowledging the many generations (multiple lines) past, present and future – that shapes her journey.

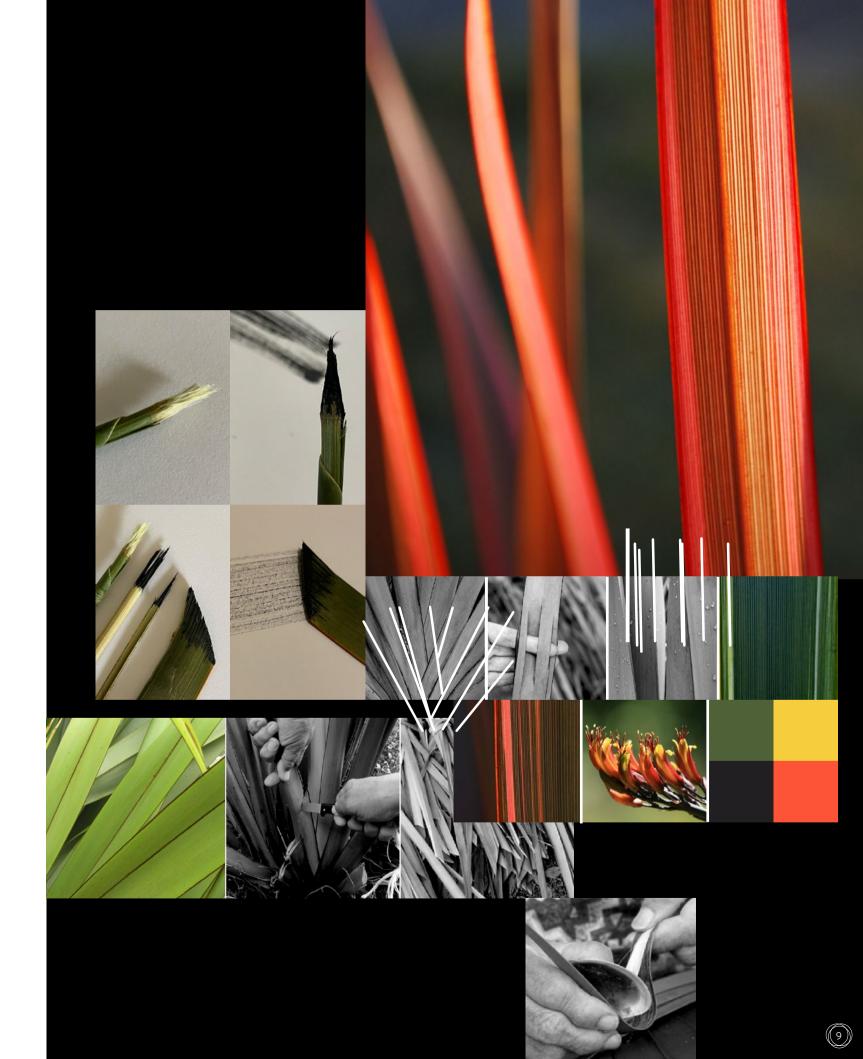
"Knowing your identity is knowing your whānau (family), your whakapapa (heritage) while maintaining the connections between body, mind, and spirit."

With a young whānau of her own, she pursues daily well-being by integrating creative practices and perspectives rooted in indigenous traditions, all while gently respecting the environment that sustains us.



TO THE

The Designers Institute.





Harakeke - Flax

Harakeke stands as a vibrant metaphor for whānau (family) through the lens of Te Ao Māori, encapsulating the essence of a true taonga (precious object) in our world. This dynamic motif delves into the natural elegance and fibrous intricacies of the herbaceous plant, making it an ideal choice for evoking cultural depth and aesthetic beauty in any space.

Its generational expression unveils multiple layers of support, accentuating the flowing lines where knowledge is shared and exchanged.

As a central design, this pattern forms the inspirational cornerstone of the entire collection, offering a richly textured

and meaningful
design element for any
interior environment,
harmoniously
complemented by
subtle patterns from the
collection.





HAR153-133 STONE GREY



HAR42 FLAX GREEN



HAR144-6 WHITE CLAY



HAR43-40 WETLAND GREEN



HAR217-59 BROWN FIBRE



HAR102 AUBURN HEMATITE



HAR212-120 LINSEED TWINE



HAR262-143 SOFT BLUSH



Te Kakano - The Seed

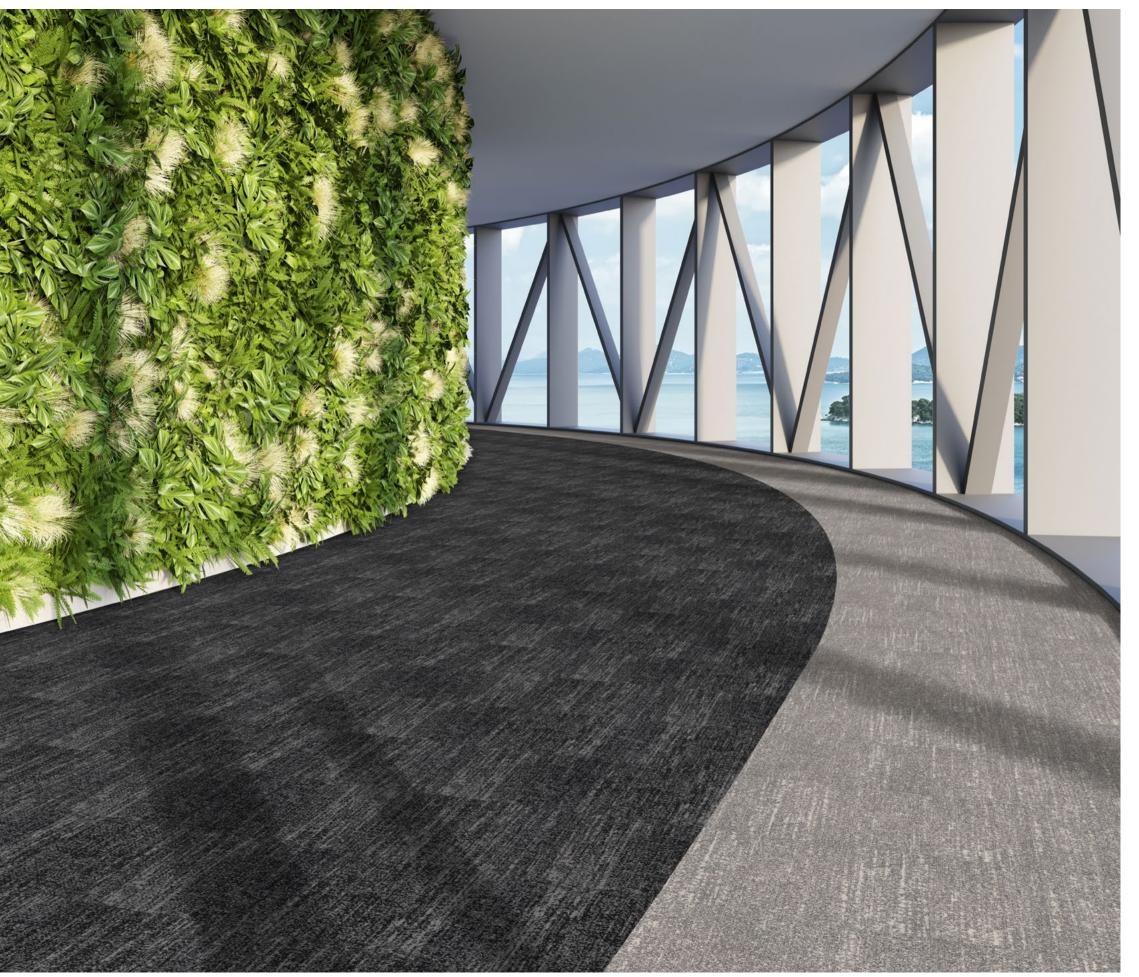
Inspired by the delicate interplay of fine lines and the granular texture of Harakeke seeds, as often scattered by the native New Zealand bird, the $T\bar{u}\bar{\imath}$, interior designers can craft spaces that not only delight the eye but also evoke a sense of tranquility and a profound connection to nature.

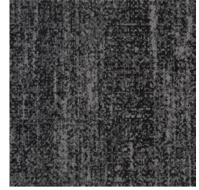
This meticulously designed pattern, laden with intricate details and a textured surface, emblematises growth and renewal, infusing

interiors with a unique and meaningful essence. It deepens one's bond with the natural world, enhancing the overall harmony and serenity of space.









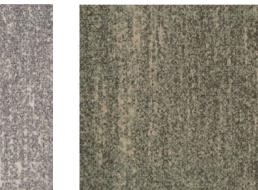
TEK153-133 STONE GREY



TEK42 FLAX GREEN



TEK144-6 WHITE CLAY



TEK43-40 WETLAND GREEN



TEK217-59 BROWN FIBRE



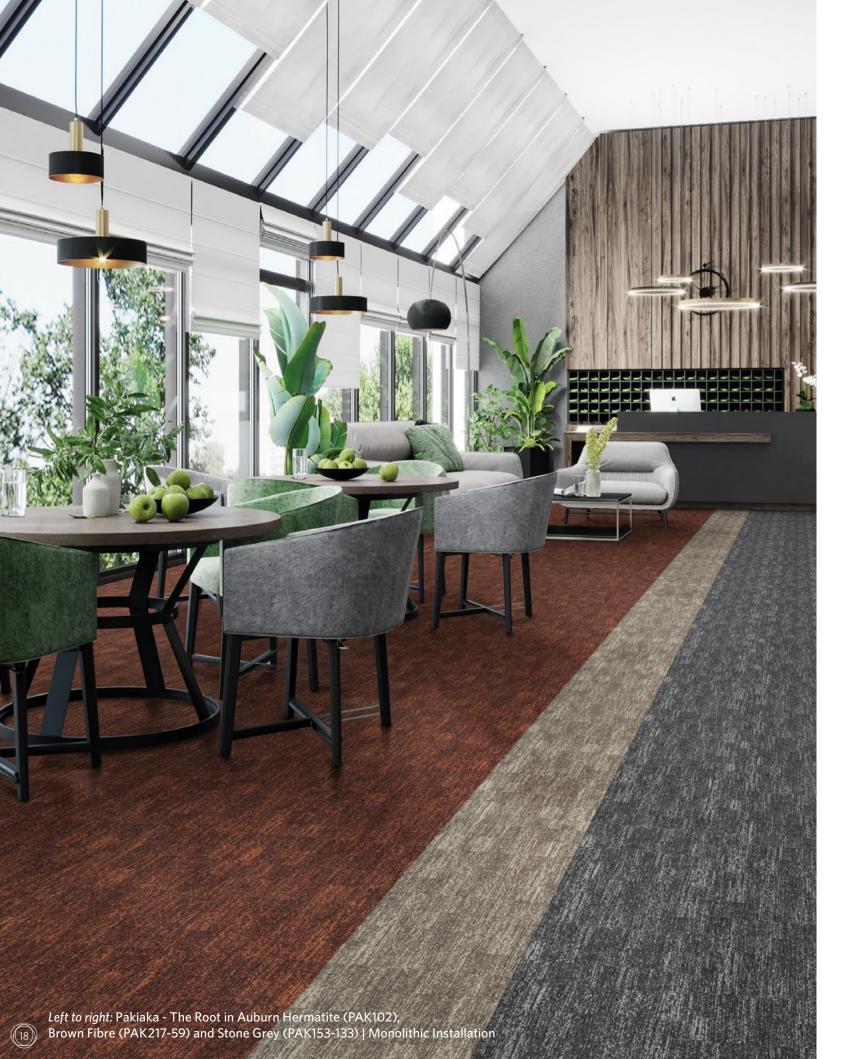
TEK102 AUBURN HEMATITE



TEK212-120 LINSEED TWINE



TEK262-143 SOFT BLUSH

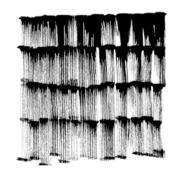


pokioka - The Poot

The texture of the Pakiaka pattern mirrors a profound connection to the land, evoking a sense of natural growth. The lines within the design symbolise pathways that parallel the organic process of seeds embedding themselves in the earth. This imagery invites a visual exploration, allowing one to envision the emerging roots of the Harakeke, a native New Zealand flax.

More than mere decoration, this linear pattern conveys a profound narrative of life, continuity, and generational heritage. It embodies layered tonal qualities and symbolises nature's resilience

and persistence. The design fosters an earthy and dynamic ambiance, making it ideal for spaces that emphasise growth, continuity, and interconnectedness.





PAK153-133 STONE GREY



PAK42 FLAX GREEN



PAK144-6 WHITE CLAY



PAK43-40 WETLAND GREEN



PAK217-59 BROWN FIBRE



PAK102 AUBURN HEMATITE



PAK212-120 LINSEED TWINE



PAK262-143 SOFT BLUSH



Muka - The Fibre

The long, string-like fibres known as 'muka' found within each leaf of the Harakeke, serve as the inspiration for the Muka design.

This design features horizontal lines that symbolise the continuity between generations—past, present, and future. It emphasises connection, making it a

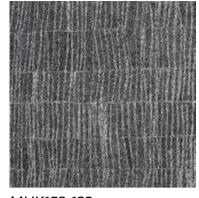
striking addition to any floorscape. Its aesthetic appeal, combined with its healing properties, makes it an ideal enhancement for spaces that value beauty and well-being.







MUK153-133 STONE GREY



MUK42 FLAX GREEN



MUK144-6 WHITE CLAY



MUK43-40 WETLAND GREEN



MUK217-59 BROWN FIBRE



MUK102 AUBURN HEMATITE



MUK212-120 LINSEED TWINE



MUK262-143 SOFT BLUSH

Te Pour - The Leaf

The Te Rau pattern elegantly showcases the intricate textures of the elongated, sword-like leaves of the Harakeke plant. Each leaf reveals a rich tapestry of details, emphasising the interplay between strong, bold lines and delicate, slender ones. These lines converge into a fan-like arrangement, with each leaf intricately woven into the next, creating a profound sense of depth and complexity.

This fan-like formation symbolises generational tiers, family connections, and bloodlines, with each leaf

representing a multitude of intergenerational ties. The pattern speaks to the enduring connections that bind families across time, making it a resonant and meaningful addition to any interior space.







TER153-133 STONE GREY



TER42 FLAX GREEN



TER144-6 WHITE CLAY



TER43-40 WETLAND GREEN



TER217-59 BROWN FIBRE



TER102 AUBURN HEMATITE



TER212-120 LINSEED TWINE



TER262-143 SOFT BLUSH





Insert: Tuia - To Stitch in White Clay | TUI144-6 | Herringbone Installation Walkway: Tuia - To Stitch in Stone Grey | TUI153-133 | Herringbone Installation

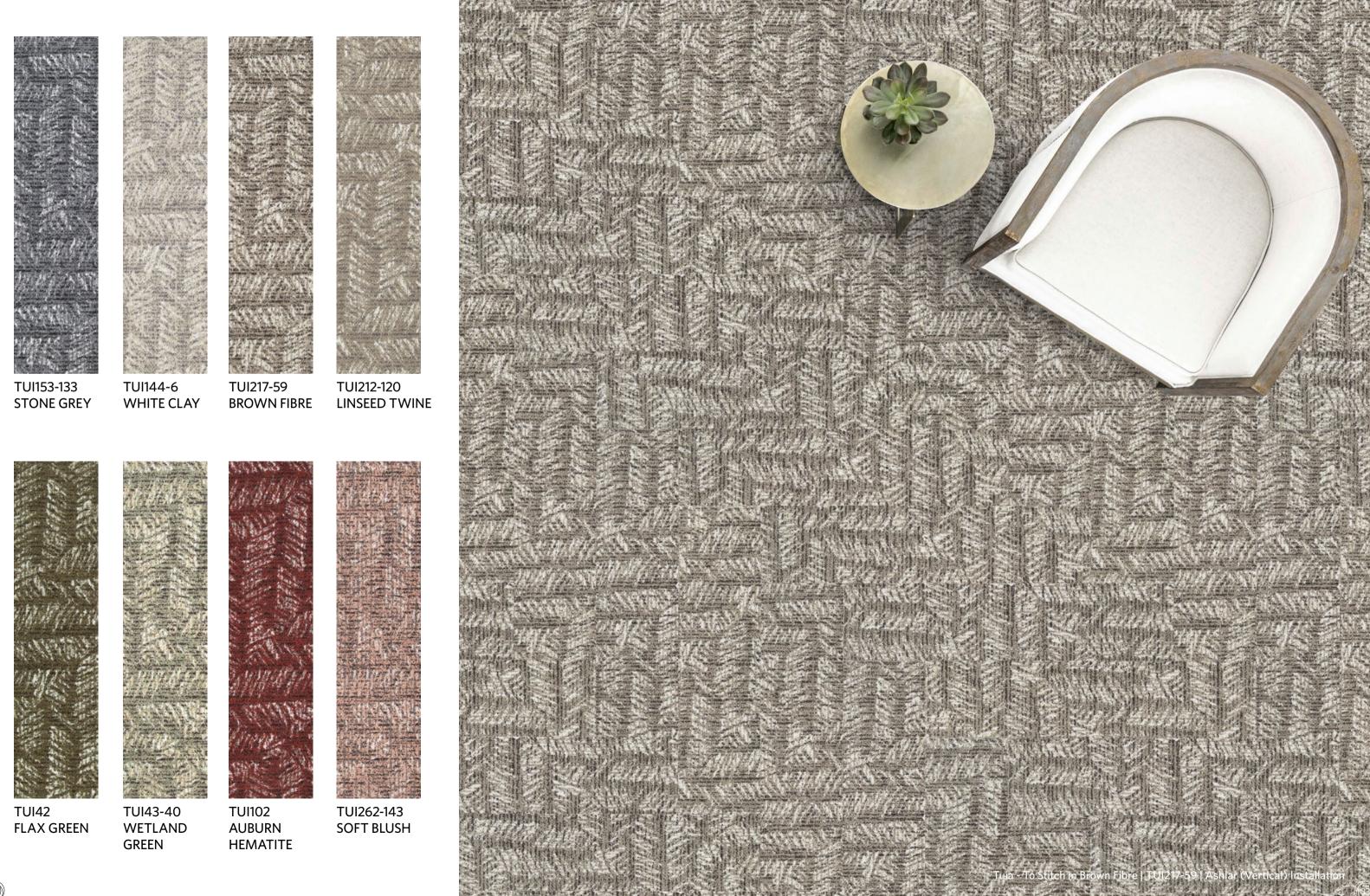
Tuin - To Stitch

The Tuia pattern infuses the floor with a serene elegance, turning it into a canvas of artistic precision. The intricately designed lines weave in multiple directions, creating a cohesive network of connections.

This pattern masterfully interacts with light and shadow across the woven fabric, enriching its depth and dimension while cultivating a welcoming ambiance.

Each step within this space echoes the artisan's spirit, transforming the interior from mere design into a dynamic, living masterpiece.



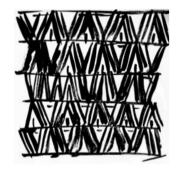




Paranga - To Weave

The woven patterns of Raranga display a captivating visual allure with intricate nuances, highlighting a dynamic interaction of light and shadow. Each precisely positioned line reveals careful craftsmanship and deliberate design. This weaving technique transforms interior spaces into vibrant tapestries of texture and storytelling, harmoniously blending traditional and modern elements.

The Raranga pattern offers a tactile experience that adds warmth and character to any room, creating not just a living space but a narrative to be shared.





RAR153-133 STONE GREY



RAR42 FLAX GREEN



RAR144-6 WHITE CLAY



RAR43-40 WETLAND GREEN



RAR217-59 BROWN FIBRE



RAR102 AUBURN HEMATITE



RAR212-120 LINSEED TWINE



RAR262-143 SOFT BLUSH



Colonway

Harakeke - Flax

Multi tile repeat: 1m x 1m | 1 x 6 tile pattern



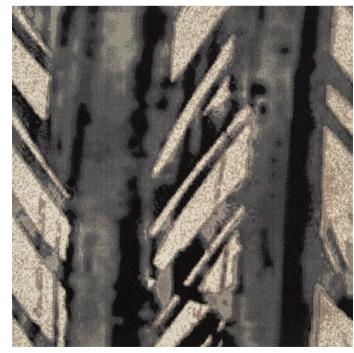
HAR153-133 STONE GREY



HAR217-59 BROWN FIBRE



HAR144-6 WHITE CLAY



HAR212-120 LINSEED TWINE



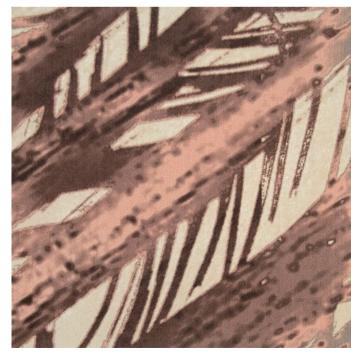
HAR42 FLAX GREEN



HAR102 AUBURN HEMATITE



HAR43-40 WETLAND GREEN



HAR262-143 SOFT BLUSH

Colonway

TEK153-133

TEK144-6

TEK217-59

BROWN FIBRE

WHITE CLAY

STONE GREY

Te Kākano - The Seed

Multi tile repeat: 50cm x 50cm | 1 x 8 tile pattern



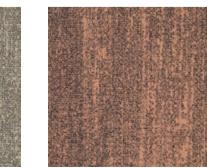
TEK42 **FLAX GREEN**



TEK43-40 **WETLAND GREEN**



TEK102 AUBURN HEMATITE



TEK212-120 TEK262-143 LINSEED TWINE **SOFT BLUSH**

Pakiaka - The Root

Multi tile repeat: 50cm x 50cm | 1 x 4 tile pattern



PAK153-133 **STONE GREY**



PAK144-6 WHITE CLAY



PAK217-59 **BROWN FIBRE**



PAK212-120 LINSEED TWINE



PAK42 **FLAX GREEN**



PAK43-40 **WETLAND GREEN**



PAK102 AUBURN HEMATITE



PAK262-143 **SOFT BLUSH**

Muka - The Fibre

Multi tile repeat: 50cm x 50cm | 1 x 4 tile pattern



MUK153-133 STONE GREY



MUK144-6 WHITE CLAY



MUK217-59 **BROWN FIBRE**



MUK212-120 LINSEED TWINE



MUK42 **FLAX GREEN**



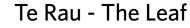
MUK43-40 **WETLAND GREEN**



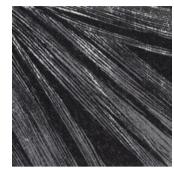
MUK102 **AUBURN HEMATITE**



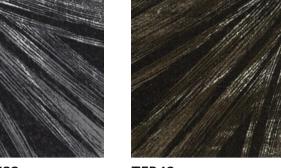
MUK262-143 **SOFT BLUSH**



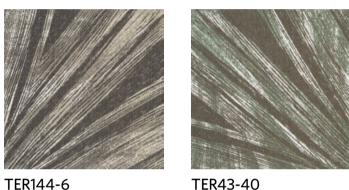
Multi tile repeat: 50cm x 50cm | 1 x 4 tile pattern



TER153-133 STONE GREY



TER42 **FLAX GREEN**



TER43-40 **WETLAND GREEN**



TER217-59 **BROWN FIBRE**

TER212-120

LINSEED TWINE





TER262-143 **SOFT BLUSH**

Colourway

Tuia - To Stitch

Multi plank repeat: 25cm x 1m | 1 x 16 plank pattern

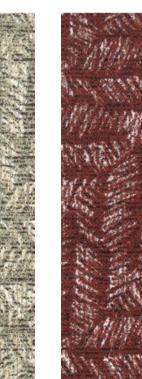


TUI153-133 STONE GREY

TUI42

FLAX GREEN





TUI102

AUBURN

HEMATITE

TUI43-40 WETLAND

GREEN



TUI212-120 **BROWN FIBRE** LINSEED TWINE



TUI262-143 SOFT BLUSH

Raranga - To Weave

Multi tile repeat: 50cm x 50cm | 1 x 7 tile pattern



RAR153-133 STONE GREY



RAR42 **FLAX GREEN**



RAR144-6 WHITE CLAY



RAR43-40 WETLAND GREEN



RAR217-59 **BROWN FIBRE**



RAR102 AUBURN HEMATITE



RAR212-120 LINSEED TWINE



RAR262-143 **SOFT BLUSH**



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.

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.



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

Investment

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 $M/PACT^{TM}$ 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









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 nonreactive finish. It enhances health and wellness.

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

Milliken.

PĀ HARAKFKF

Harakeke - Flax | Te Kākano - The Seed | Pakiaka - The Root | Muka - The Fibre | Te Rau - The Leaf | Tuia - To Stitch | Raranga - To Weave

M/PACT CARBON NEUTRAL PROGRAM

Moisture Mitigation

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.

Cushion Backing - WellBAC® Comfort (PVC FREE) (Non-Reactive Cushion Backing) - Cool Stripe, BK16, Quattra Standard Backing

Cushion Backing - WellBAC® Comfort Plus (PVC FREE) (Non-Reactive Cushion - Backing) - Road Runner

Noise Reduction Coefficient - NRC ≥ 0.25

Acoustic Value Impact Sound Pressure Level - Ln,w ≤ 47dB - Cool Stripe, BK16, Quattra

Impact Sound Pressure Level - Ln,w ≤ 45dB - Road Runner

Site-Related Solutions (SRS): Milliken cushion-backed tile + Non-Reactive Standard Adhesive means installation 45 days Concrete Slab

after a new concrete pour, fully warranted no moisture testing required. Refer to www.millikenfloors.com.au

Antiviral | Antibacterial MGUARD+ Antiviral and Antibacterial Treatment, For further information refer to www.millikenfloors.com.au



PAKIAKA - THE ROOT (COOL STRIPE)

SPECIFICATION

Construction: Gauge Tufted, Textured Loop 1/12 Tile Size Stitches Per Inch:

50cm x 50cm 11.4 Yarn Type: Tufts:

Milliken Certified 100% Nylon 136.8/in² (2,120/100cm²)

Stain Resist | Soil Release: Total Pile Mass: StainSmart® 26 oz/yd2 (882 g/m2) Dve Method: Recyclable:

PrintWorks™

Recycled Content by Total Weight: Lightfastness (AATCC 16E):

Nominal Total Thickness

Nominal Total Weight:

 $109 \text{ oz/yd}^2 (3,696 \text{ g/m}^2)$

Flammability (Radiant Panel Test):

CHF/CRF = 6.2kW/m², Smoke value = 175%.min

10 1mm

3.4mm

≥ 4.0 at 80 Hours

Static Electricity (AATCC-134) 20% R.H., 70°F:

Nominal Pile Thickness: Indoor Air Quality - CRI Green Label Plus™:

 $\leq 0.5 \text{mg/m}^3 (GLP0793)$

VOC:

Pass (ISO 10580:2010)

ACCS Grading:

CEHD 4*, REHD2 6*, Suitable for Stairs

RARANGA - TO WEAVE (BK16)

SPECIFICATION

Construction: Gauge Tufted Textured Loon 1/12 Tile Size: Stitches Per Inch: 11.6

50cm x 50cm

Yarn Type: Tufts: Milliken Certified 100% Nvlon 139/in² (2,126/100cm²) Stain Resist | Soil Release: **Total Pile Mass:** StainSmart® 16 oz/yd2 (543g/m2) Dve Method: Recyclable:

PrintWorks™ 100% Recycled Content by Total Weight:

≥ 4.0 at 80 Hours

Nominal Total Thickness: Static Electricity (AATCC-134) 20% R.H., 70°F: 8.0mm

Indoor Air Quality - CRI Green Label Plus™: Nominal Pile Thickness: 2.1mm

 $\leq 0.5 \text{mg/m}^3 \text{ (GLP3237)}$

Lightfastness (AATCC 16E):

VOC:

Pass (ISO 10580:2010) Flammability (Radiant Panel Test): ACCS Grading:

CHF/CRF = 5.1kW/m², Smoke value = 240%.min CEHD 4*, REHD2 6*, Suitable for Stairs

TE KĀKANO - THE SEED, MUKA - THE FIBRE, TE RAU - THE LEAF, HARAKEKE - FLAX (QUATTRA)

SPECIFICATION

Construction: Tufted, Textured Loop

Tile Size:

50cm x 50cm, 100cm x 100cm* *Harakeke design only

Yarn Type:

Milliken Certified 100% Nylon Stain Resist | Soil Release

StainSmart® Dye Method: PrintWorks™

Gauge 1/10

Stitches Per Inch:

14.4 Tufts:

144in² (2,230/100cm²)

Recyclable:

Gauge

1/10

Recycled Content by Total Weight:

Nominal Total Thickness:

Nominal Total Weight:

 $94 \text{ oz/yd}^2 (3,184 \text{ g/m}^2)$

8.4mm Nominal Pile Thickness:

2 8mm

Nominal Total Weight: $90.3 \text{ oz/yd}^2 (3,062 \text{ g/m}^2)$

Flammability (Radiant Panel Test): CHF/CRF = 6.3kW/m², Smoke value = 136%, min

Lightfastness (AATCC 16E): ≥ 4.0 at 80 Hours

Static Electricity (AATCC-134) 20% R.H., 70°F:

Indoor Air Quality - CRI Green Label Plus™:

 \leq 0.5mg/m 3 (GLP0793) VOC:

Pass (ISO 10580:2010)

ACCS Grading:

CMD 2*, REHD1 5*, Suitable for stairs

TUIA - TO STITCH (ROAD RUNNER)

SPECIFICATION

Construction: Tufted Textured Loop

Tile Size: 25cm x 100cm

10.3 Yarn Type: Tufts: Milliken Certified 100% Nylon 103/in² (1.595/100cm²)

Stain Resist | Soil Release: Total Pile Mass: StainSmart® 20oz/yd2 (678g/m2)

Dye Method: Recyclable: PrintWorks™

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).

Recycled Content by Total Weight: Stitches Per Inch:

Nominal Total Thickness

Nominal Pile Thickness: 2 79mm Nominal Total Weight:

 $104 \text{ oz/yd}^2 (3,526 \text{ g/m}^2)$ Flammability (Radiant Panel Test): CHF/CRF = 4.2kW/m², Smoke value = 271%.min

Indoor Air Quality - CRI Green Label Plus™: $\leq 0.5 \text{mg/m}^3 \text{ (GLP0793)}$

≤3.5KV

> 4.0 at 80 Hours

VOC:

Pass (ISO 10580:2010)

ACCS Grading:

CEHD 4*, REHD2 6*, Suitable for Stairs

Lightfastness (AATCC 16E):

Static Electricity (AATCC-134) 20% R.H., 70°F:

GBCA

Responsible Product Value 30 rpv

Recommended Installation Method(s):

Harakeke (1m x 1m): Monolithic

Monolithio

Tuia (25cm x 1m): Ashlar (Vertical), Herringbone

Muka (50cm x 50cm): Brick (Horizontal) Te Kākano, Pakiaka, Te Rau, Raranga (50cm x 50cm)

Recommended Area of Use:

Commercial Extra Heavy Duty 20-year Wear Warranty

Cradle to Cradle

ECS Carpet Standard v2.2

3. Declare 2.0 - Red List Free

4. Science-Based Targets Initiative (SBTi)

Warranties:

20-year Dimensional Stability Warranty 20-year Anti-Static Warranty 20-year Castor Chair Wear Warranty

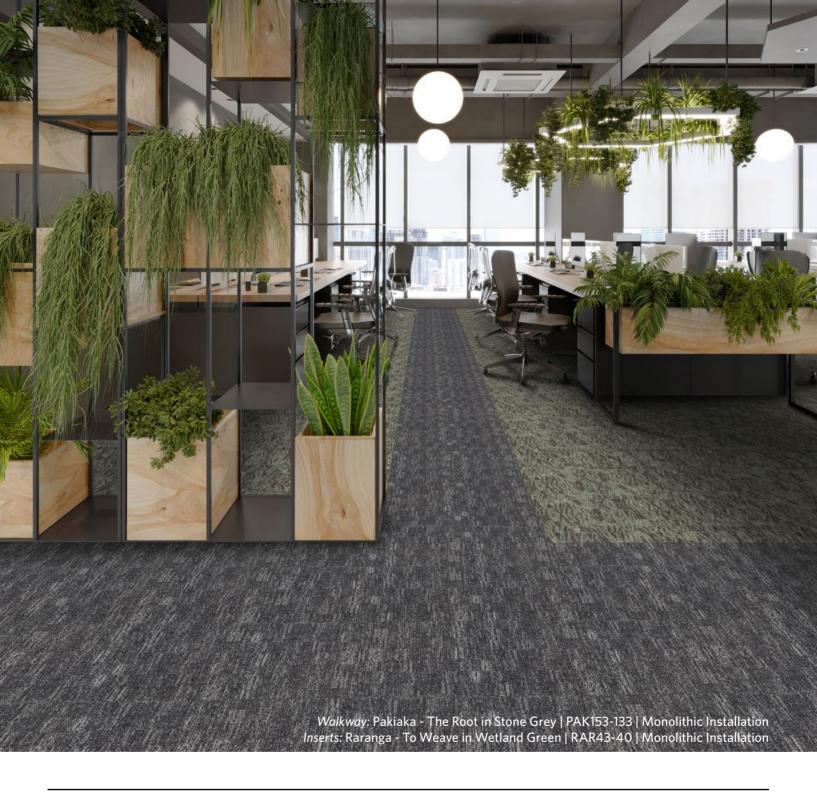
Environmental:

Works with WELL

ECS Grading - Level 4 + (Core + No Chemicals of Concern + EPD + Carbon Neutral) Declare - RED LIST FREE Cradle to Cradle - Silver M/PACT ™ Carbon Neutral Program Environmental Product Declaration (EPD)

Health Product Declaration (HPD)

Walkway: Te Kākano - The Seed in Linseed Twine | TEK212-120 | Monolithic Installation Insert: Harakeke - Flax in Auburn Hermatite | HAR102 | Monolithic 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.

