# RIPPLE

Milliken™

Ripple in Pebble (RIP13-144) and Motion (RIP13-180) | Ashlar (Vertical) Installation



# RIPPLE

The Ripple Collection draws inspiration from the brackish estuary where fluvial freshwater and ocean tidal forces meet. This percussion of tidal crescendos - saltwater intrusion merging with freshwater aquifers and surface ripples - creates a sophisticated natural milieu design, when viewed from an aerial perspective.

Layered textural elements are created through natural light reflecting off the water's surface, enhancing the feature by the reflective essence of the design. While the underwater motion of the swirl stimulates the soft movement of the ocean bed, formulating increments and the "Ripple" effect.

The Ripple Collection embodies a natural inspired colour palette, composed of tonal shades of charcoals, earthy resonance and water blues, with a faint scattering of white light, bringing depth and calmness.

# EARTHY

RIP48-212
COASTLINE

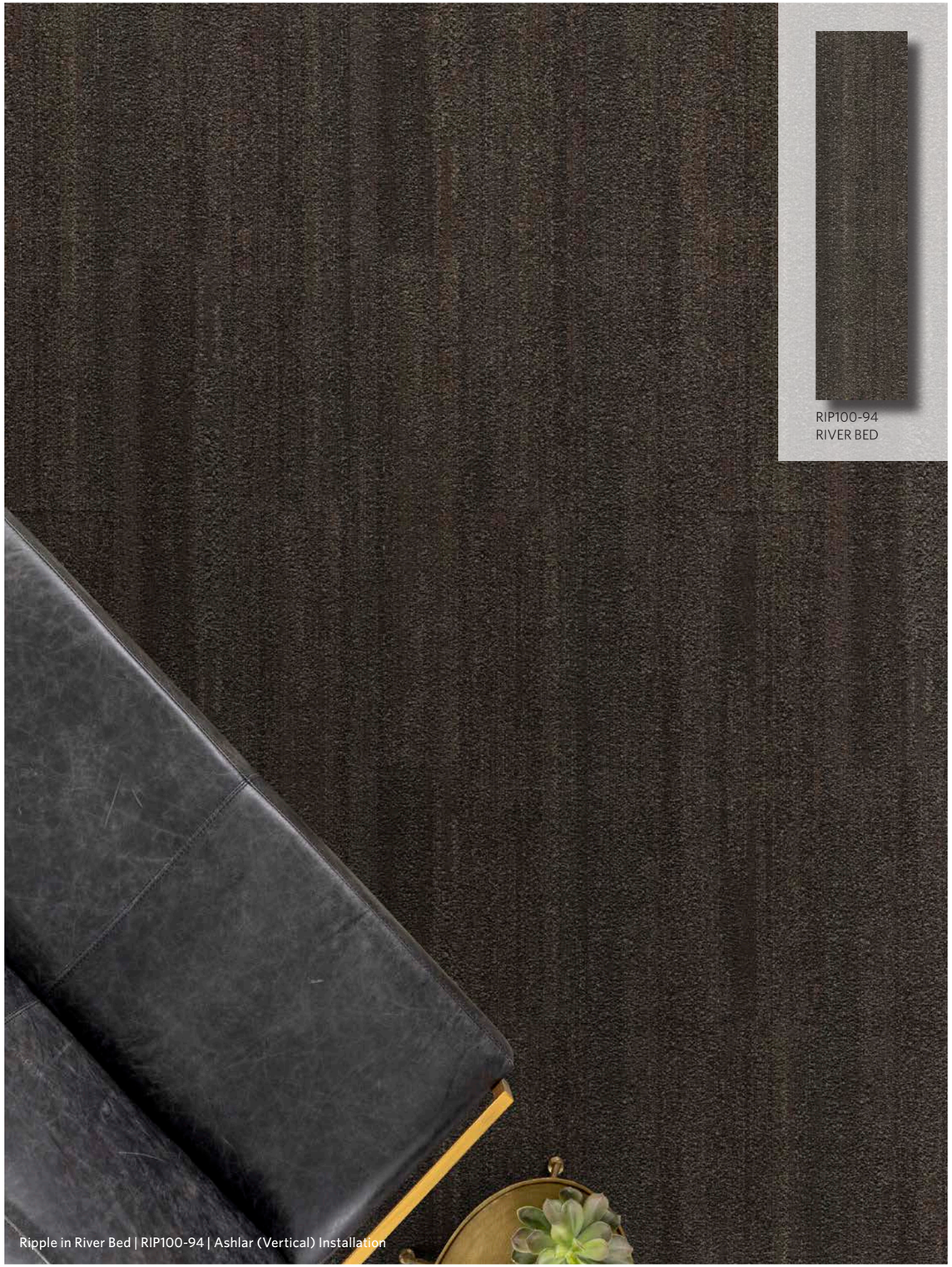
RIP48-122
GROUND LEVEL

RIP48-6
GULLY

RIP100-94
RIVER BED

RIP100-233
EMBANKMENT

Ripple in Coastline (RIP48-212) and Ground Level (RIP48-122) | Herringbone Installation



RIP100-94
RIVER BED

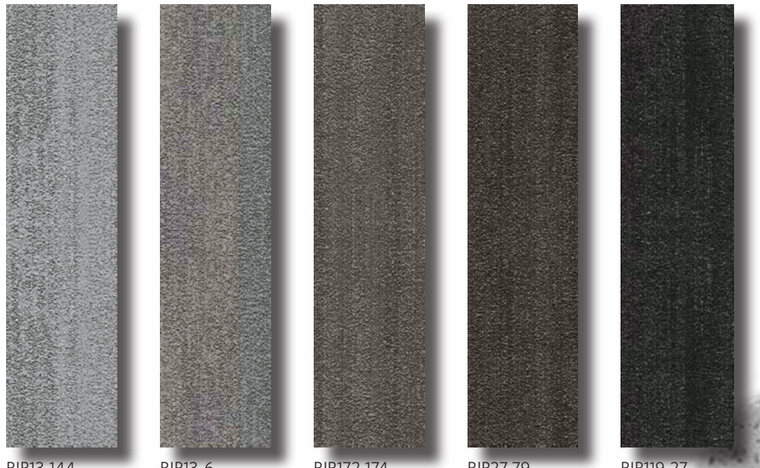
Ripple in River Bed | RIP100-94 | Ashlar (Vertical) Installation

RIP48-6
GULLY

RIP48-122
GROUND LEVEL

Ripple in Gully (RIP48-6) and Ground Level (RIP 48-122) | Ashlar (Vertical) Installation

# BRONZE



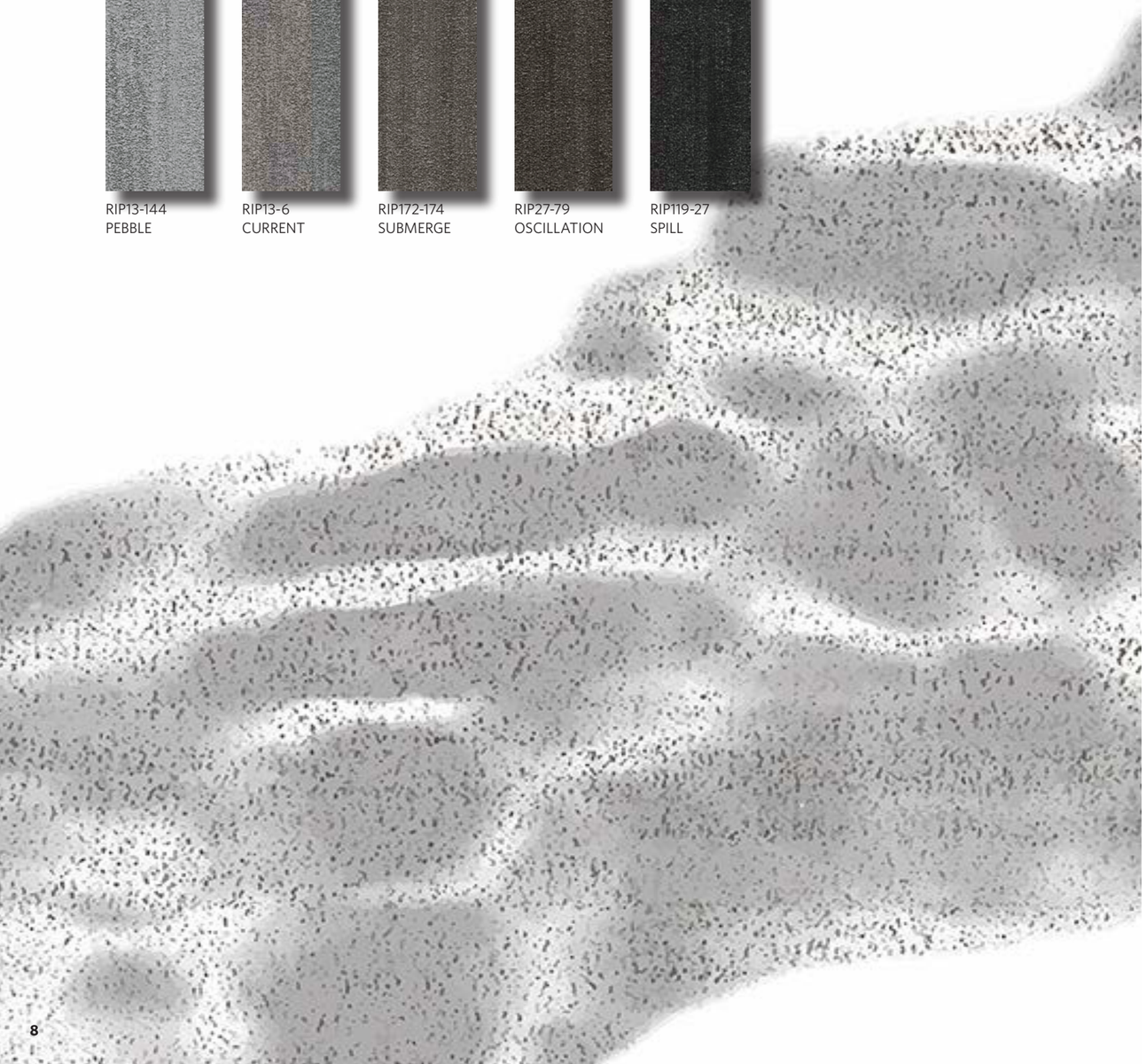
RIP13-144
PEBBLE

RIP13-6
CURRENT

RIP172-174
SUBMERGE

RIP27-79
OSCILLATION

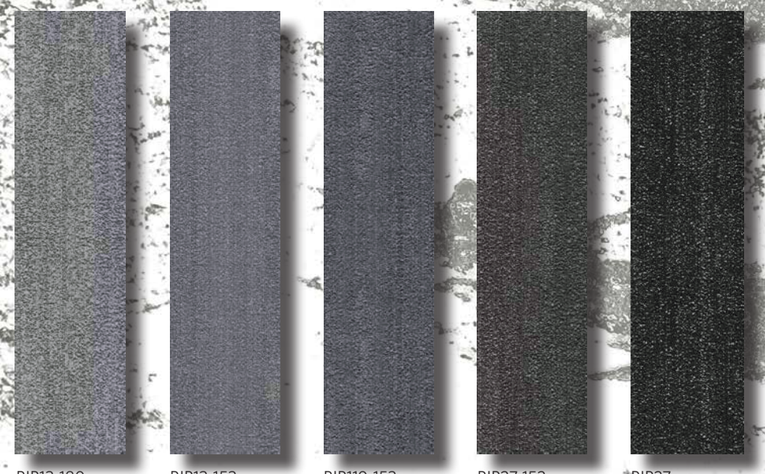
RIP119-27
SPILL



Ripple in Current | RIP13-6 | Ashlar (Vertical) Installation

Left to Right: Ripple in Oscillation (RIP27-79) and Spill (RIP119-27) | Ashlar (Vertical) Installation

# MINERALS



RIP13-180
MOTION

RIP13-153
CONFLUENCE

RIP119-153
TIDE

RIP27-152
JUNCTION

RIP27
FORCE

Ripple in Confluence (RIP13-153) and Tide (RIP13-6) | Herringbone Installation

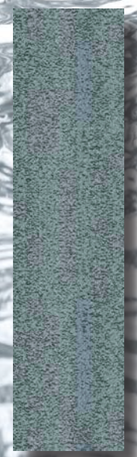
Left to Right: Ripple in Force (RIP27), Junction (RIP27-152) and Motion (RIP13-180) | Ashlar (Vertical) Installation

RIP139-140
SANGAM

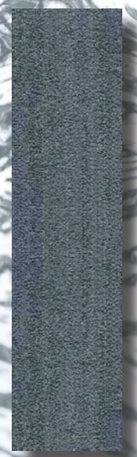
Ripple in Sangham | RIP139-140 | Herringbone Installation



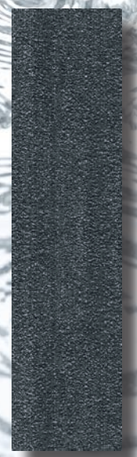
# QUARTZ



RIP139-140
SANGAM



RIP158-140
BAHARI



RIP215-73
REFLECTION

RIP106-249
DRIFT

RIP215-258
SURFACE

Left to Right: Ripple in Bahari (RIP158-140) and Surface (RIP215-258) | Ashlar (Vertical) Installation

Ripple in Drift (RIP106-249), Reflection (RIP215-73) and Bahari (RIP158-140) | Heringbone Installation

# CREATING A BETTER WORLD

## Milliken supports the Property Industry Foundation

Milliken is a proud partner of the Property Industry Foundation, an organisation devoted to alleviating the problem of youth homelessness. The Foundation builds homes for homeless youth and provides ongoing support for homes where young people can rebuild their lives.

Homelessness is one of the most severe forms of disadvantage and social exclusion that any young person can experience. Youth homelessness affects 44,000 young Australians every night and understanding the scale of this issue, we were compelled to get involved and help in the great work the foundation is doing.

The Velvet collection is part of the 'Product Pathway'. The 'Product Pathway' is a unique fundraising model created by Milliken for the Property Industry Foundation where a contribution from every dollar of sales is donated to the foundation to build homes for homeless youth. The aim of the product pathway is to provide a regular and sustainable fundraising stream and with your help, we can keep assisting the Property Industry Foundation in tackling the issue of youth homelessness.

The Foundation's mission is to make a tangible difference to the serious and persistent problem of youth homelessness by partnering with respected charities to build safe environments and support charity managed initiatives focused on education, employment and well-being.

PROPERTY INDUSTRY FOUNDATION

www.pif.com.au

Milliken

www.millikenfloors.com.au

# Colourway

## Earthy

RIP48-212
COASTLINE

RIP48-122
GROUND LEVEL

RIP48-6
GULLY

RIP100-94
RIVER BED

RIP100-233
EMBANKMENT

## Bronze

RIP13-144
PEBBLE

RIP13-6
CURRENT

RIP172-174
SUBMERGE

RIP27-79
OSCILLATION

RIP119-27
SPILL



# Colourway

## Minerals

RIP13-180
MOTION

RIP13-153
CONFLUENCE

RIP119-153
TIDE

RIP27-152
JUNCTION

RIP27
FORCE

## Quartz

RIP139-140
SANGAM

RIP158-140
BAHARI

RIP215-73
REFLECTION

RIP106-249
DRIFT

RIP215-258
SURFACE

**RIPPLE**

# EARTHY MOOD BOARD

A. Arctic Survey | Isotherm
IST15-121 Migrate

B. Beyond Chroma | Chroma
CMA144 Chalk

C. Live Circuit | Current
CUR218 Amp

D. Circular Relationships | Loop Track
CRL176-82-207 Golden Bay

E. Mixed Formations: Made of Wood
High Alignment | HAT217 Ivory

F. Mixed Formations: Made of Wood
Gunnison | GUN233-176-259 Brown

G. City Nights | City Nights Geometric
CNG21-145-206 Sandstone

H. Major Frequency: One | Distortion
DTN94-211-212 Crescendo

I. Metro Park Wood | Heritage
HTG208 Pride

J. Momentum | Mythology
MYT143 Saga

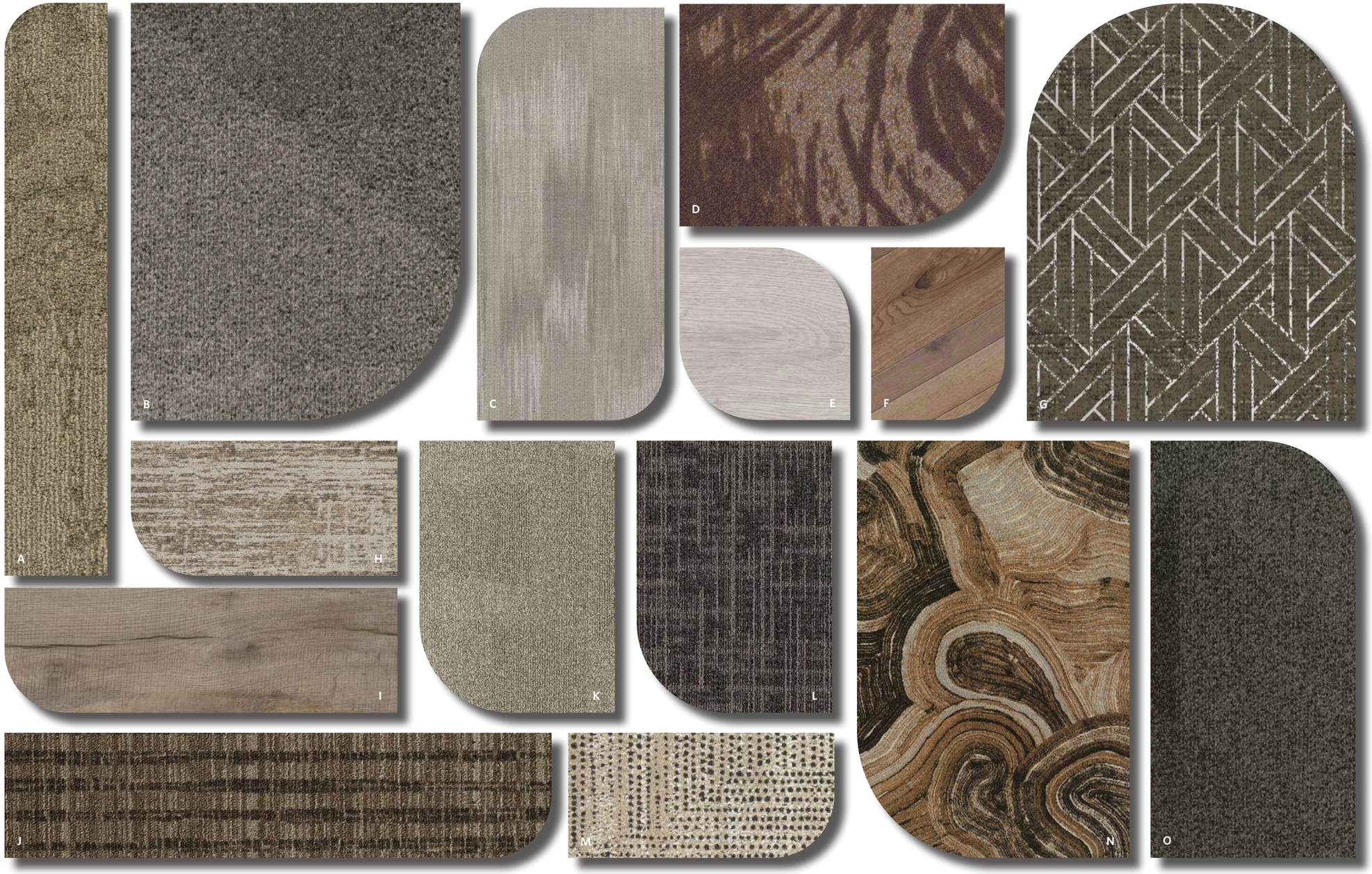
K. Nordic Stories | Hidden Plains
HDP124-94 Sandpiper

L. Nordic Stories | Tectonic
TTC133-120 Flume

M. Water Yuludarla | Yildaan
YIL94-59 Bark

N. Circular Relationships | Dunes
CRD176-82-207 Golden Bay

O. Beyond Chroma | Chroma
CMA152-145 Graphite



**RIPPLE**

# BRONZE MOOD BOARD

A. Mixed Formations: Made of Stone
Dust Crystals | DSC209 Storm

B. Nordic Stories | Tectonic
TTC180-138 Snowmelt

C. Free Flow | Foundation
FDN119 Dusk

D. Beyond Chroma | Chroma
CMA124 Fossil

E. Consequence 2.0 | Sequel
SEQ6-27 Bark

F. Arctic Survey | Isotherm
IST122-120 Thaw

G. City Nights | City Nights
CNI174-123-75 Sun Shower

H. Artistic Liberties | Outspoken Tradition Inset
OSI180-165 Timeless

I. Beyond Chroma | Chroma
CMA261 Rosetta

J. Metro Park Stone | Polished Concrete
PLC67 Polish

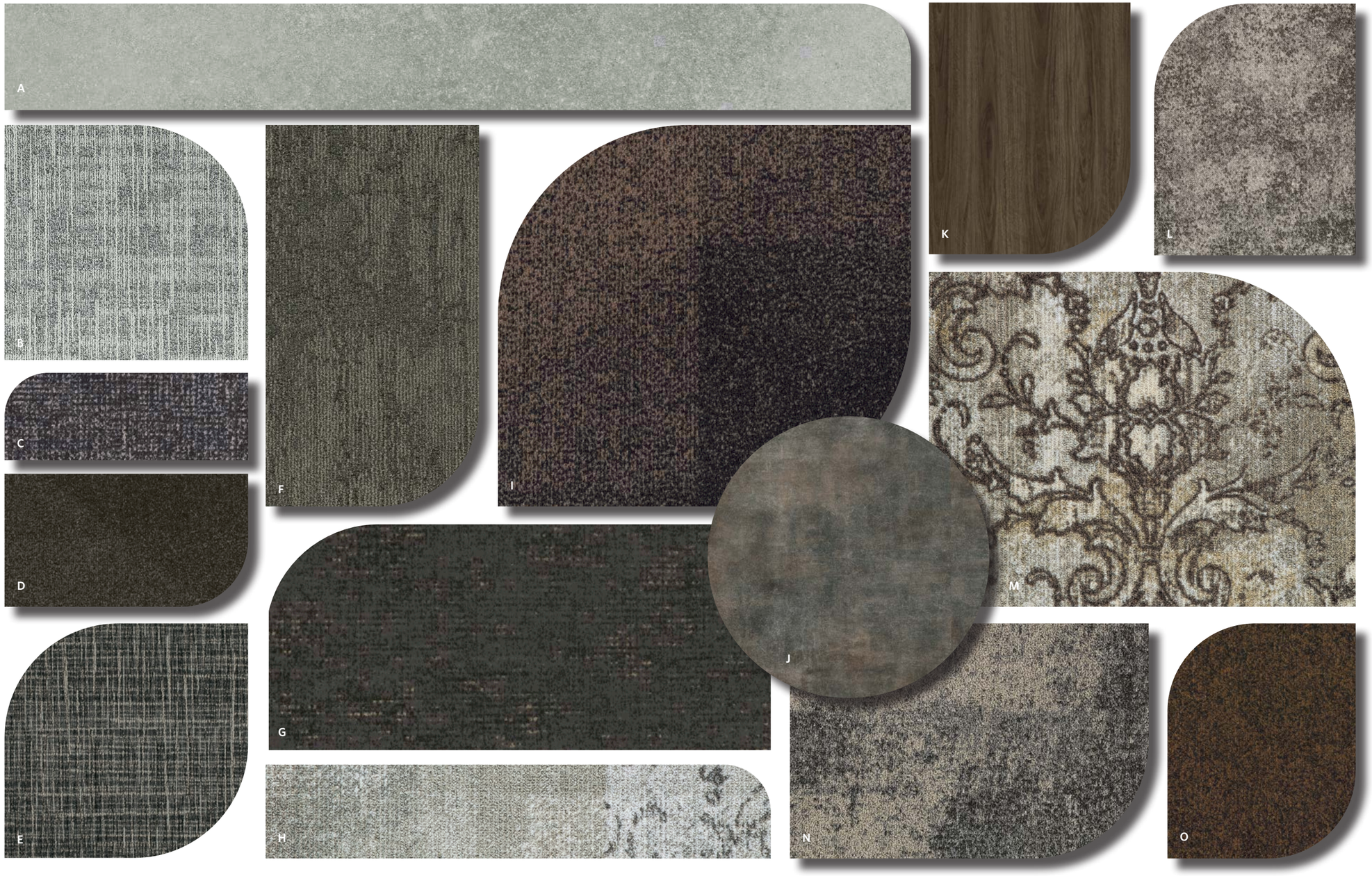
K. Metro Park Wood | Eucalyptus Saligna
ECS114 Wombat

L. Comfortable Concrete | Laid Bare
LDB27-207 Dust

M. Artistic Liberties | Outspoken Tradition
OTT122-97 Tempered Brocade

N. Comfortable Concrete | Urban Drama
UDR133-13-207 Slate Gray

O. Circular Relationships | Rock Grain
CRR176-82-207 Golden Bay



**RIPPLE**

# MINERALS MOOD BOARD

A. Metro Park Stone | Tangible
TGB250 Twilight

B. Colour Compositions
CCM152 Micro

C. Colour Compositions
CCM5 Granite

D. Metro Park Stone | Tangible
TGB6 Dawn

E. Sandhills | Sandhills
SAH174-4 Powdered Rock

F. Distinct Forms | Construction
COS79-152 Symmetry Grey

G. Free Flow | Path
PTH119 Dusk

H. Mixed Formations: Made of Wood | Gunnison
GUN251-219-217 Cream

I. Metro Park Wood | Charter Oak
COK144 Smoke

J. Beyond Chroma | Chroma
CMA174 | Carbon

K. Clerkenwell | Triangular Path
TGP152-119-118 Behind Bars

L. Water Yuludarla | Jagun
JAG145-27 Ash

M. Metro Park Stone | Chalkboard
CKB133 Iron

N. Circular Relationships | Loop Track
CRL138-133-215 Urchin

O. Karona 3 | Eclipse
ECL133 Solar

**RIPPLE**

# QUARTZ MOOD BOARD

A. Colour Connect | Skor
SKO140-159 Sea Wash

B. Metro Park Stone | Arts Avenue
ASA180 Boathouse

C. Beyond Chroma | Chroma
CMA157 Sea Blue

D. Artistic Liberties | Historic Clashes
HTC139-152 Illustrated Opera

E. Patina Vibes | Patina
PAT153-152 Iron

F. Metro Park Wood | Pike
PKK144 Cloud

G. Comfortable Concrete | Urban Drama
UDR133-13-19 Slate Ocean

H. Consequence2.0 | Sequel
SEQ25-19 Billabong

I. Creo | Rio | Beco
01098929 Field A

J. Distinct Forms | Construction
COS133 Bluestone Grey

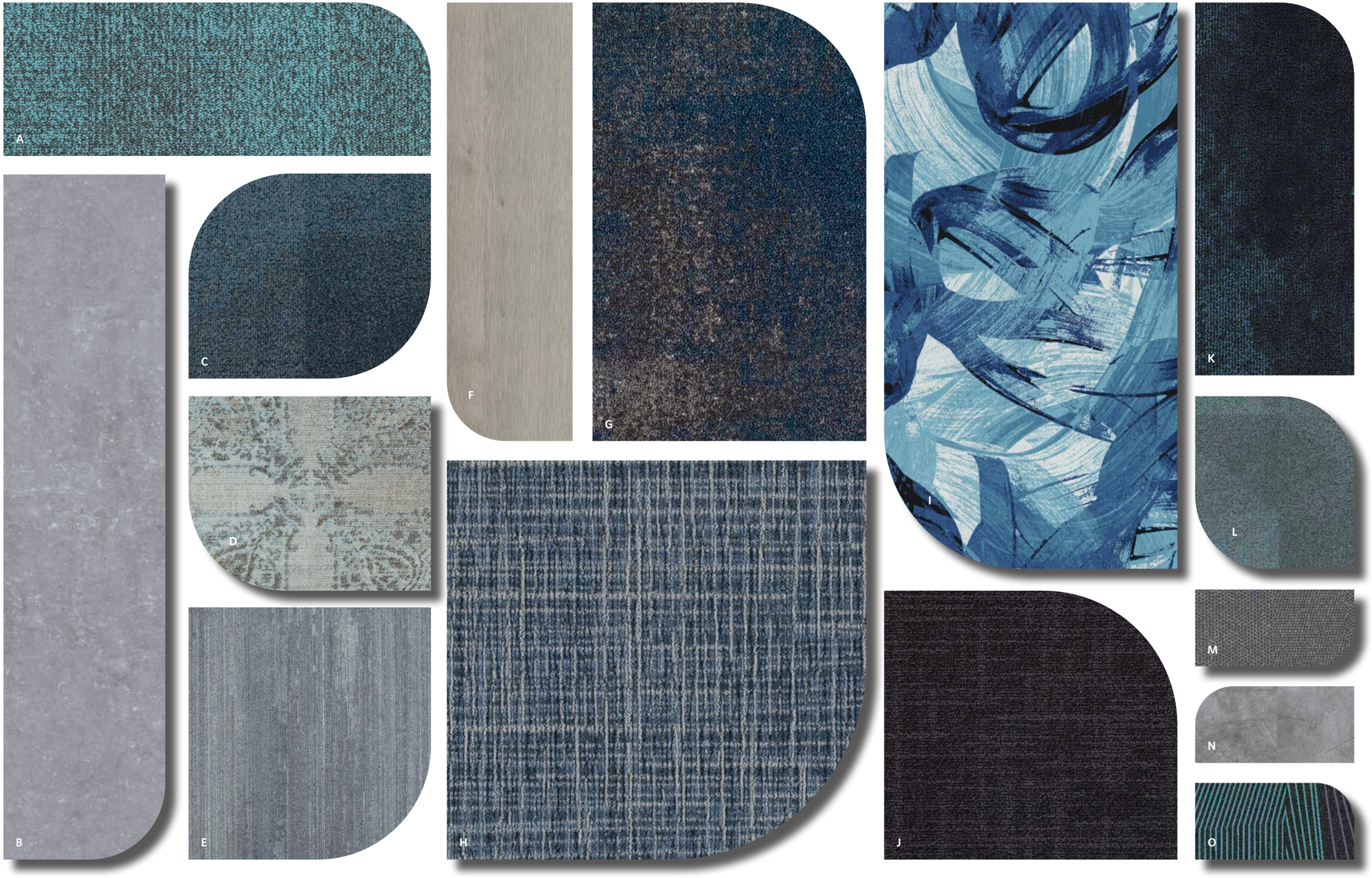
K. Whale Song | Humpback
HUM125-107 Deep Sea

L. Beyond Chroma | Chroma
CMA172 Duck Egg

M. Topography 2.0 | Regions
REG13-153 Grid

N. Metro Park Stone | Tangible
TGB6 Dawn

O. Topography 2.0 | Explorer Wayfinding
EXPW140-153-118 Landform with Azul



# 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™

# Self-sanitising Carpet

## Integrated Infection Control

ANTIVIRAL
**MGUARD+**
ANTIBACTERIAL

**MGUARD+ treatment kills 99% of the SARS-CoV-2 virus within 2 hours of contact with Milliken PrintWorks™ carpet tiles.**

**MGUARD+ treatment kills 99% of S. aureus, E. coli, K. pneumoniae in 24 hours as per AATCC 174-2.**

**Duration of protection varies with use.**

**Powered by HealthGuard®.**

**Only available in Australia and New Zealand.**

Declare. Red List Free HEAVY METAL FREE

# 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.

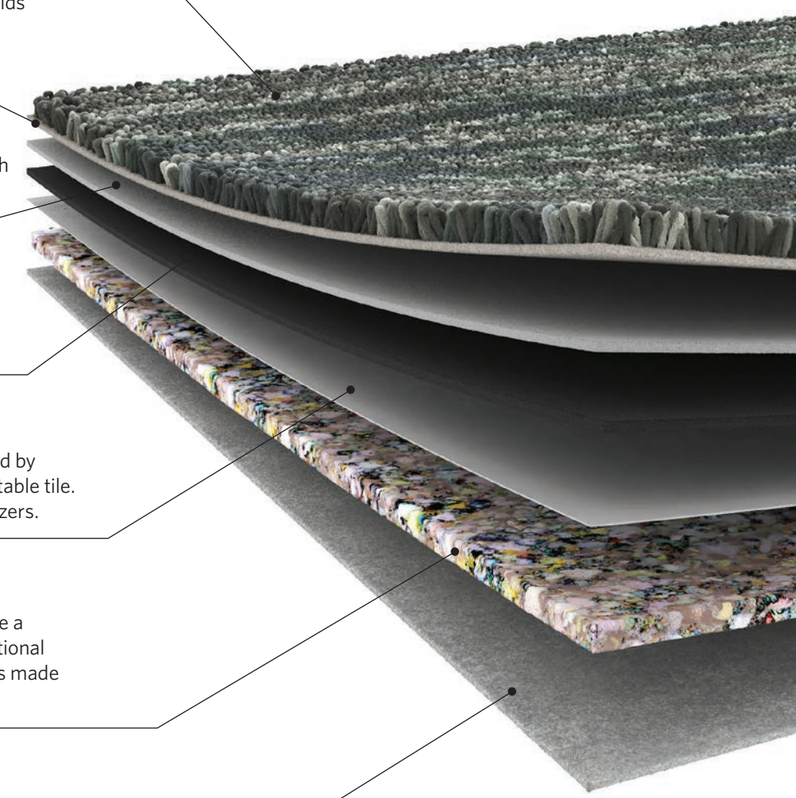
**PRECOAT**
The precoat layer locks the tufted yarns in the primary backing to ensure good tuft bind strength between the yarns and the backing.

**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.**

Milliken

Ripple in Junction | RIP27-152 | Ashlar (Vertical) Installation

# RIPPLE

## 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<br>WellBAC® Comfort (PVC FREE) (Non-Reactive Cushion Backing) |
| Acoustic Value | Noise Reduction Coefficient – NRC ≥ 0.25<br>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 millikenfloors.com.au |
| Antiviral \| Antibacterial | MGUARD+ Antiviral and Antibacterial Treatment. Further information refer to millikenfloors.com.au |

| | | | |
|---|---|---|---|
| Construction | Tufted, Textured Loop | Lightfastness (AATCC 16E) | ≥ 4.0 at 80 Hours |
| Tile Size | 25cm x 1m | Static Electricity (AATCC-134) 20% R.H., 70°F | ≤ 3.5KV |
| Yarn Type | Milliken Certified 100% Nylon | | |
| Stain Resist \| Soil Release | StainSmart® | Indoor Air Quality CRI Green Label Plus™ | ≤ 0.5mg/m³ (GLP0793) |
| Dye Method | PrintWorks™ | VOC | Pass (ISO 10580:2010) |
| Gauge | 1/10 | ACCS Grading | CMD 2*, REHD1 5*, Suitable for Stairs |
| Stitches Per Inch | 14.4 | | |
| Tufts | 144/in² (2,230/100cm²) | Environmental | ECS Grading – Level 4 + (Core + No Chemicals of Concern + EPD + Carbon Neutral)<br>Declare – RED LIST FREE<br>Cradle to Cradle – Silver<br>M/PACT ™ Carbon Neutral Program<br>Environmental Product Declaration (EPD)<br>Health Product Declaration (HPD)<br>Works With WELL |
| Recyclable | 100% | | |
| Recycled Content by | 45% | | |
| Total Weight | 8.4mm | | |
| Nominal Total Thickness | 2.8mm | | |
| Nominal Pile Thickness | 90.3 oz/yd² (3,062g/m²) | | |
| Nominal Total Weight | CHF/CRF = 6.3kW/m², Smoke value = 136%.min | | |
| Flammability (Radiant Panel Test) | | | |

| | | |
|---|---|---|
| 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<br>2. Cradle to Cradle<br>3. Declare 2.0 – Red List Free<br>4. Science-Based Targets Initiative (SBTi) | GBCA<br>Responsible Product Value<br>30 rpv |

| | |
|---|---|
| Recommended Installation Method(s) | Ashlar (Vertical), Herringbone |
| Recommended Area of Use | Commercial Extra Heavy Duty |
| Warranties | 20-year Wear Warranty<br>20-year Dimensional Stability Warranty<br>20-year Anti-Static Warranty<br>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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