



HEAVY META

Milliken

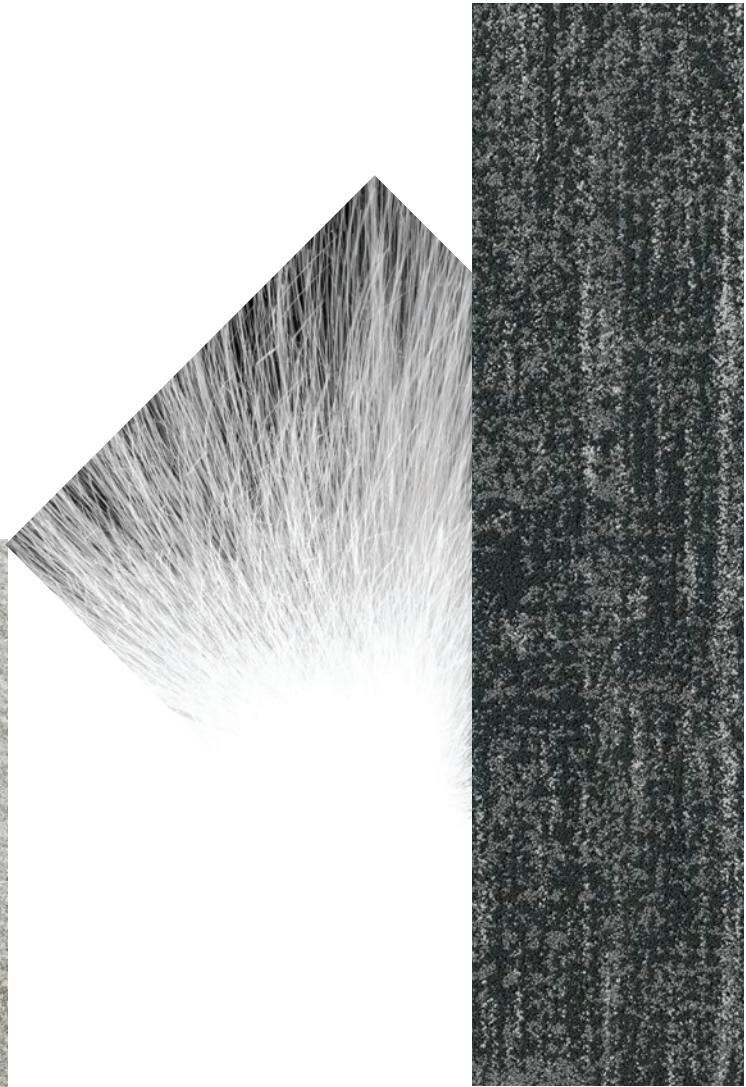
HEAVY META

Metal is a crucial material that shapes our experience in the modern world. But what happens when this heavily-relied upon material is pushed to its limit?

Introducing Heavy Meta, a new carpet collection that examines the perplexing conversion of this common material into a new and unexpected manifestation. With the activation of a catalyst, can metal thrive?

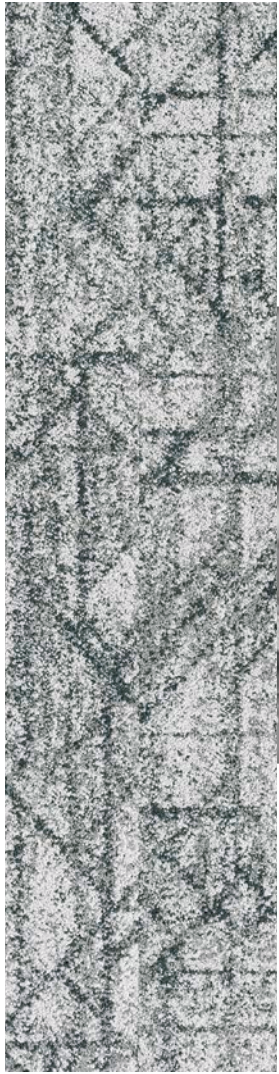
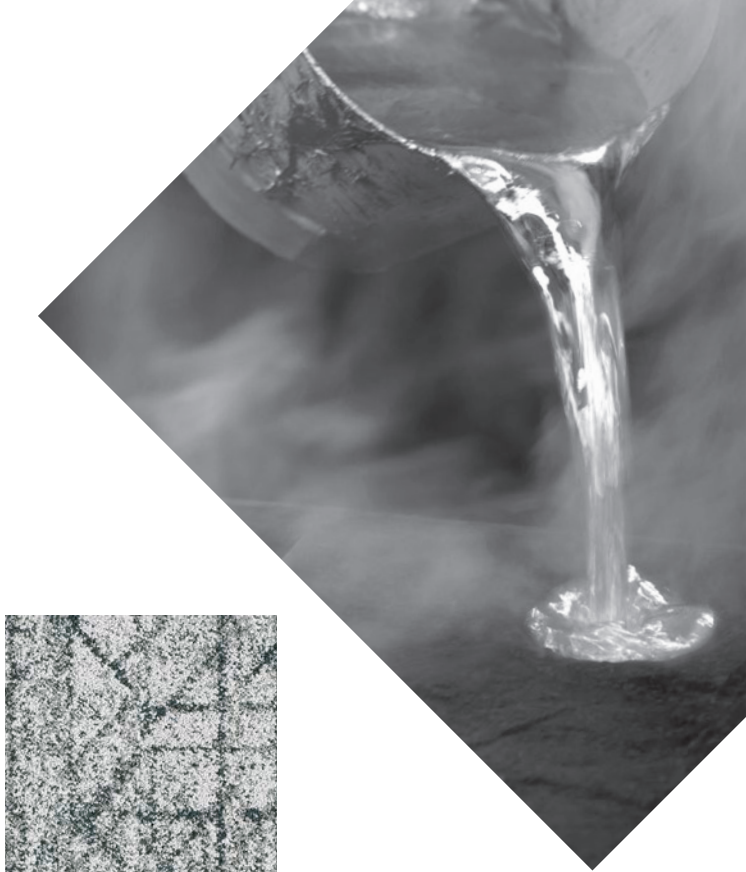


Alloy in Weathered (ALY25-220) and Foundry in Weathered (FDR259-220) | Ashlar (Vertical) Installation




A L L O Y

Rich in contrast and refined in movement, Alloy offers a steady, more subtle transformative nature, much like the pouring of smooth, melted metal into a casting mold.



F O U N D R Y

Much like the fusing of different metals to create the utmost in durability, Foundry features a series of linear forms traveling in various directions, expressing a chaotic yet thorough transformation.



A C T I V A T E T H E U N K N O W N

Left to Right: Foundry in Oxide (FDR259) and Alloy in Oxide (ALY259) | Ashlar (Vertical) Installation

Experiment with 2 reformed patterns, Alloy and Foundry, offered in a selection of 8 malleable colours, contrasting in tone and polished in design. And, with a brilliantly high-luster yarn welded into each tile, watch as designs innately mirror the same sheen of this unique material. With Heavy Meta, become activated with an unconventional method of transformation.



Left to Right: Foundry in Zinc (FDR152-118) and Foundry in Weathered (FDR259-220) | Ashlar (Vertical) Installation



Foundry in Alluvial | FDR13-220 | Ashlar (Vertical) Installation



Alloy in Oxide (ALY259), Alloy in Weathered (ALY259-220), Foundry in Oxide (FDR259) and Foundry in Weathered (FDR259-220) | Ashlar (Vertical) Installation



Left to Right: Alloy in Pewter (ALY250-174), Platinum (ALY220-158) and Tungsten (ALY174-133) | Ashlar (Vertical) Installation



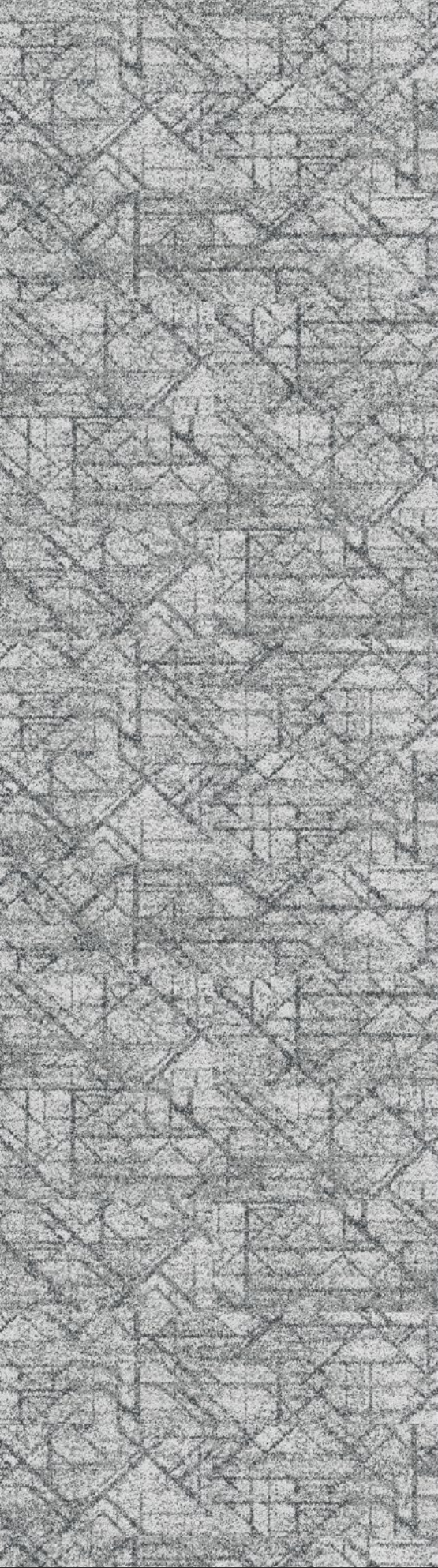
Alloy in Tungsten | ALY174-133 | Ashlar (Vertical) Installation

METALLIC FIBERS

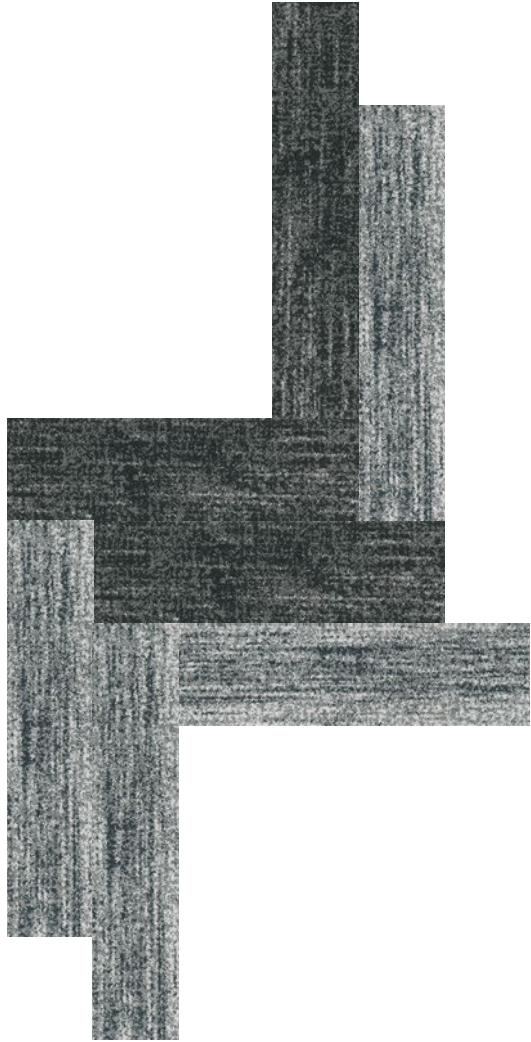
Every pattern found within the Heavy Meta collection features a brilliant, high-luster metallic fiber welded into each of its tiles. Watch as your unique floorscape design innately begins to mirror the same sheen and allure of metal.



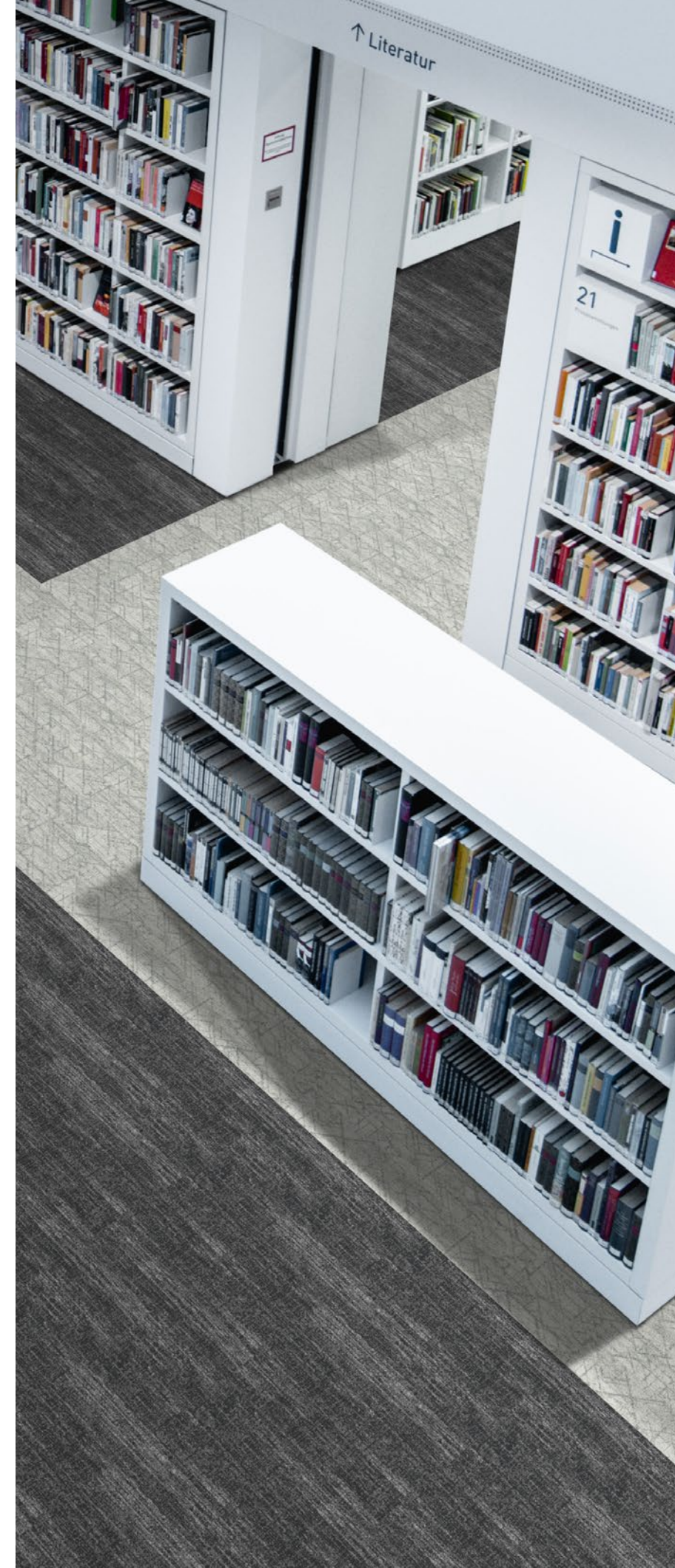
Left to Right: Foundry in Pewter (FDR250-174) and Foundry in Foil (FDR152-220) | Ashlar (Vertical) Installation



Left to Right: Foundry in Foil (FDR152-220) and Foundry in Tungsten (FDR174-133) | Ashlar (Vertical) Installation



Alloy in Foil (ALY152-220) and
Alloy in Zinc (ALY152-118)
Herringbone Installation



Alloy in Zinc (152-118) and
Foundry in Alluvial (FDR13-220)
Ashlar (Vertical) Installation

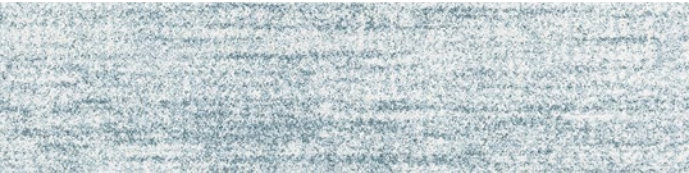




Left to Right: Alloy in Platinum (ALY220-158), Foundry in Platinum (FDR220-158) and Alloy in Alluvial (ALY152-220) | Ashlar (Vertical) Installation

A L L O Y

F O U N D R Y



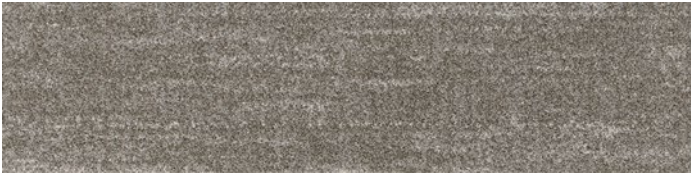
ALY220-158
PLATINUM



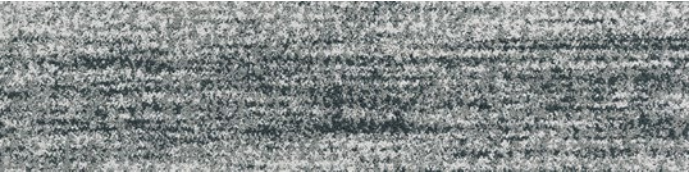
ALY13-220
ALLUVIAL



ALY259-220
WEATHERED



ALY259
OXIDE



ALY152-220
FOIL



ALY152-118
ZINC



ALY250-174
PEWTER



ALY174-133
TUNGSTEN



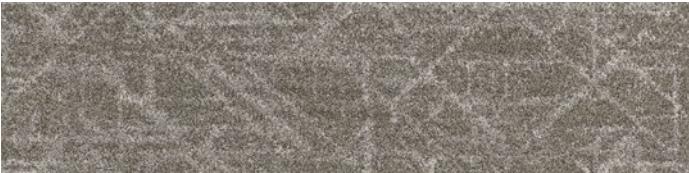
FDR220-158
PLATINUM



FDR13-220
ALLUVIAL



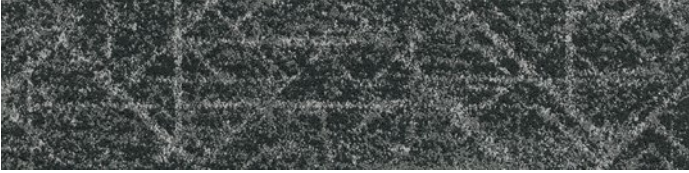
FDR259-220
WEATHERED



FDR259
OXIDE



FDR152-220
FOIL



FDR152-118
ZINC



FDR250-174
PEWTER



FDR174-133
TUNGSTEN

Mood boards created around a family of cool grey Milliken coordinating colours.

Mood boards and creativity go hand in hand. With 8 colourways in each design, it's easy to be inspired to coordinate with other Milliken Collections.

For our full range of Milliken collections visit: millikenfloors.com.au

1. Heavy Meta | Alloy
ALY152-118 Zinc

2. Metro Park Wood | Charter Oak
COK144 Smoke

3. Mixed Formations: Made of Stone
Close Fragments | CLF209-215 Beige

4. Ripple
RIP13-180 Motion

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

6. Quiet Woods | Lateral Band
LAB218 Grayton

7. Heavy Meta | Alloy
ALY174-133 Tungsten

8. Heavy Meta | Alloy
ALY152-220 Foil

9. Comfortable Concrete | Urban Poetry
UPY154-180 Powder Gray

10. Live Circuit | Current
CUR138 Charge

11. Metro Park Stone | Slate
SLA209 Mica

12. Quiet Woods | Lateral Wave
LAW178 Ironwood

13. Ripple
RIP13-144 Pebble

14. Heavy Meta | Foundry
FDR220-158 Platinum

15. Heavy Meta | Foundry
FDR174-133 Tungsten

16. Major Frequency: One | Vibration
VBN183-118-152 Interference

17. Colour Compositions
CCM152 Micro

18. Mixed Formations: Made of Stone
Pure Slab | PSL217 Taupe



Mood boards created around a family of warm grey Milliken coordinating colours.

Mood boards and creativity go hand in hand. With 8 colourways in each design, it's easy to be inspired to coordinate with other Milliken Collections.

For our full range of Milliken collections visit: millikenfloors.com.au

1. Heavy Meta | Foundry
FDR259-220 Weathered

2. Mixed Formations: Made of Wood
Soft Alignment | SAL206 Dark Beige

3. Major Frequency: One | Vibration
VBN94-211-212 Crescendo

4. Heavy Meta | Alloy
ALY13-220 Alluvial

5. Beyond Chroma | Chroma
CMA124 Fossil

6. Heavy Meta | Foundry
FDR259 Oxide

7. Mixed Formations: Made of Stone
Pure Slab | PSL219 Dove

8. Metro Park Wood | Pike
PKK121-204 Dew

9. Free Flow | Path
PTH6 Storm

10. Metro Park Stone | Polished Concrete
PLC67 Polish

11. Heavy Meta | Foundry
FDR13-220 Alluvial

12. Heavy Meta | Foundry
FDR250-174 Pewter

13. Mixed Formations: Made of Stone
Open Fragments | OPF234-208 Ivory

14. Live Circuit | Current
CUR133 Static

15. Quiet Woods | Lateral Band
LAB206 Mystery Mist

16. Heavy Meta | Alloy
ALY250-174 Pewter

17. Mixed Formations: Made of Wood
Soft Alignment | SAL219 Cream

18. Heavy Meta | Alloy
ALY259 Oxide





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.

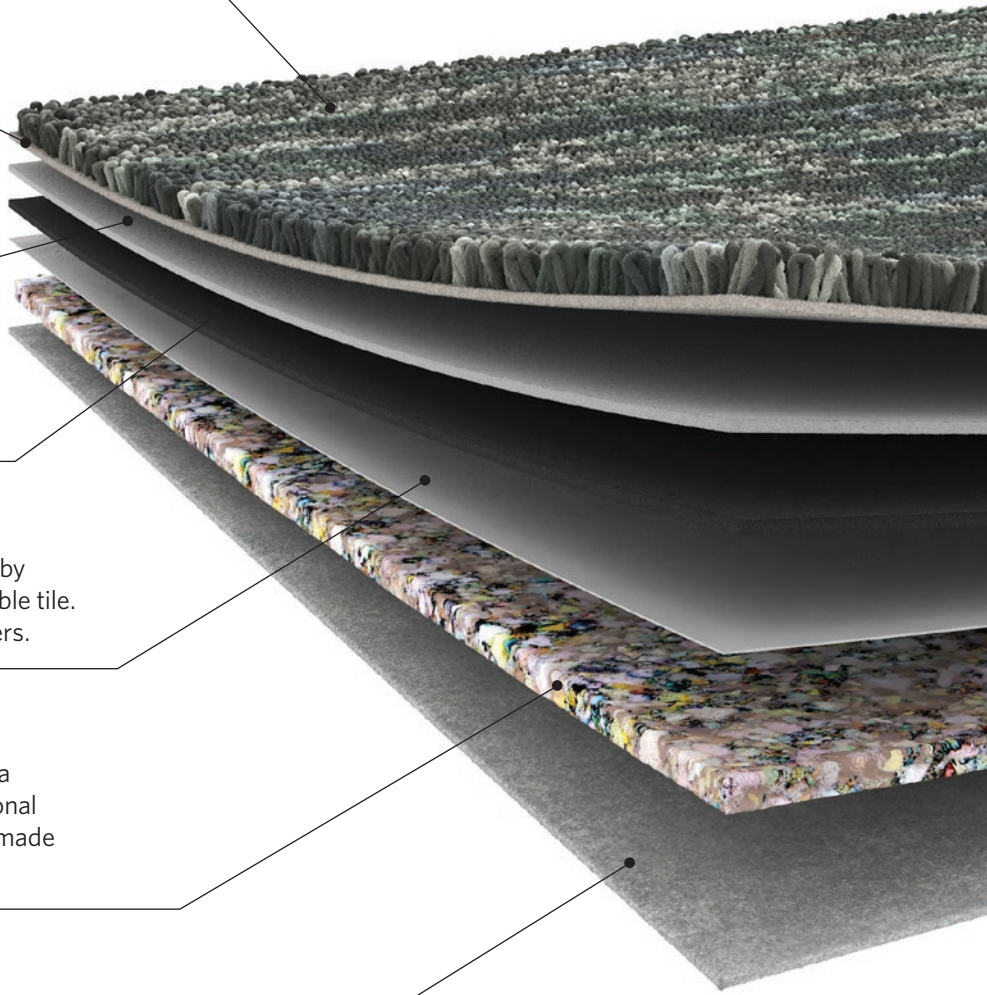
PREMIUM CUSHION

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.



Milliken

HEAVY META

Alloy | Foundry

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 Backing)

Acoustic Value

Noise Reduction Coefficient - NRC ≥ 0.25
Impact Sound Pressure Level - Ln,w ≤ 47 dB

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

Construction	Tufted, Textured Loop	Flammability (Radiant Panel Test)	CHF/CRF = 3.7kW/m ² , Smoke value = 313%.min
Tile Size	25cm x 100cm	Lightfastness (AATCC 16E)	≥ 4.0 at 80 Hours
Yarn Type	100% Solution Dyed ECONYL® Nylon	Static Electricity (AATCC-134) 20% R.H., 70°F	≤ 3.5 KV
Stain Resist Soil Release	Built-In Protection	Indoor Air Quality CRI Green Label Plus™	≤ 0.5 mg/m ³ (GLP7205)
Dye Method	Solution Dyed	VOC	Pass (ISO 10580:2010)
Embodied Carbon Gauge	4.8 kg/m ² co ² E 1/12	ACCS Grading	CEHD 4*, REHD2 6*, Suitable for Stairs
Stitches Per Inch	7.5 (Average)	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 Program Environmental Product Declaration (EPD) Health Product Declaration (HPD) Works With WELL
Tufts	90/in ²		
Recyclable	100%		
Recycled Content by Total Weight	59%		
Nominal Total Thickness	9.7mm		
Nominal Pile Thickness	3.4mm		
Nominal Total Weight	120 oz/yd ² (4,065g/m ²)		

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)

Ashlar (Vertical) | Herringbone

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



Declare.



Australia:
Toll Free: 1800 668 372

New Zealand:
Toll Free: 0800 668 372

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

This WellBAC® cushion backing 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.

© 2023 Milliken & Company | Design © Milliken & Company

Milliken

Top to Bottom: Foundry in Foil (FDR152-220) and
Alloy in Foil (ALY152-230) | Ashlar (Vertical) Installation