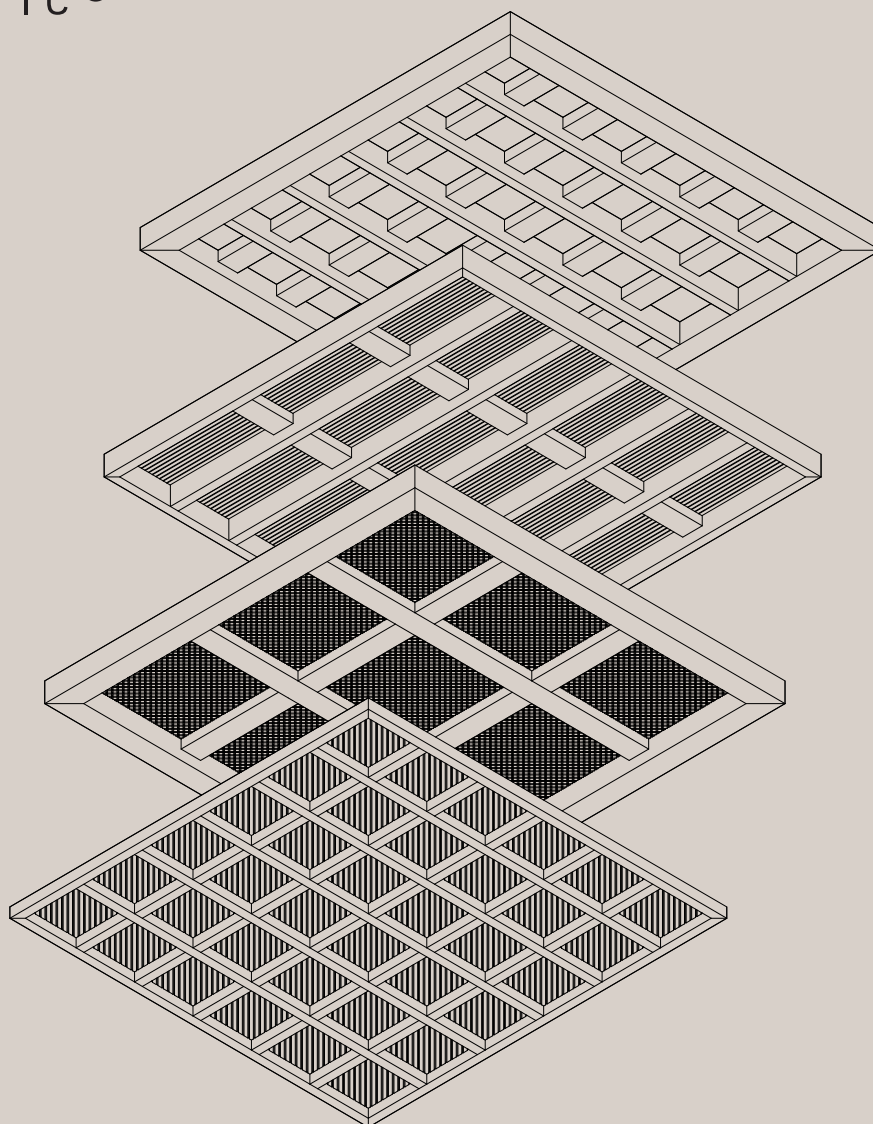


IMPACT ACOUSTIC®



MERO

Modular Ceiling Grid

715.12.31.000.00 715.12.36.000.00

715.12.32.000.00 715.12.37.000.00

715.12.33.000.00 715.12.38.000.00

715.12.34.000.00 715.12.39.000.00

715.12.35.000.00 715.12.40.000.00

715.12.41.000.00 715.12.46.000.00

715.12.42.000.00 715.12.47.000.00

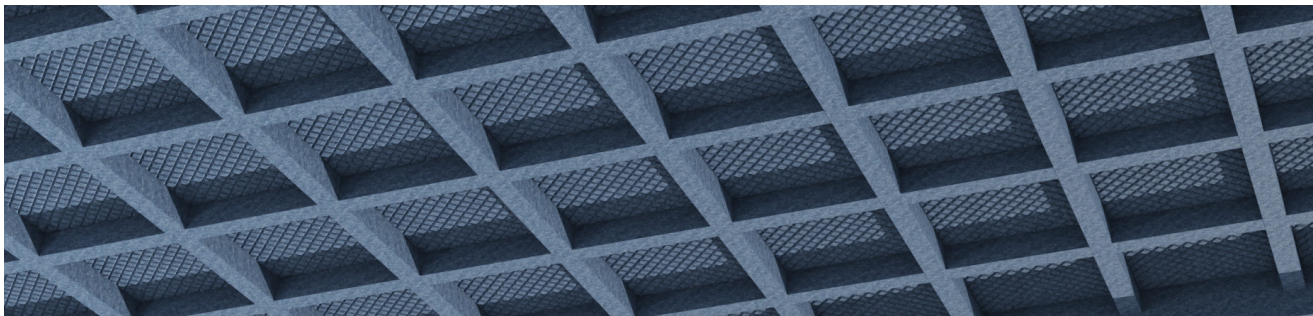
715.12.43.000.00 715.12.48.000.00

715.12.44.000.00 715.12.49.000.00

715.12.45.000.00 715.12.50.000.00

MERO Modular Ceiling Grid

General Information



Data

Applicable article numbers

Layout	Layout 1	Layout 2	Layout 3	Layout 4	Layout Bespoke
Metric No.	715.12.31.000.00	715.12.32.000.00	715.12.33.000.00	715.12.34.000.00	715.12.35.000.00
Imperial No.	715.12.41.000.00	715.12.42.000.00	715.12.43.000.00	715.12.44.000.00	715.12.45.000.00
Infill	Type 1	Type 2	Type 3	Type 4	Type 5
Metric No.	715.12.36.000.00	715.12.37.000.00	715.12.38.000.00	715.12.39.000.00	715.12.40.000.00
Imperial No.	715.12.46.000.00	715.12.47.000.00	715.12.48.000.00	715.12.49.000.00	715.12.50.000.00

Dimensions¹

Beam Height	100mm/200mm	112.20"
Beam Width	80mm/200mm	47 1/4"
Cell Size*	600 x 600mm	23 5/8" x 23 5/8"
	600 x 1200mm	23 5/8" x 47 1/4"
	1200 x 1200mm	47 1/4" x 47 1/4"

Material

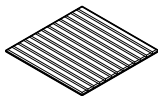
Mero Beams	ARCHISONIC® Felt - 100% PET (60% Post-consumer) in 36 colours and 33 Riftcut printed texture
T-Grid Twist Clip	Steel (RAL9005)
Tile Clip	PET

Included

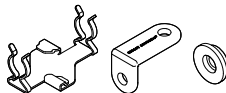
Acoustic Beams



Acoustic Tile Caps



Hardware



Installation
guide



Warranty
10 years²



¹ - all dimensions are nominal ² - Impact Acoustic warranty terms apply

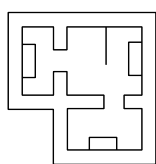
*This product is offered in different units of measure to accommodate standard T-grid in various locations. Ensure you are specifying the correct version for your T-grid.

MERO Modular Ceiling Grid

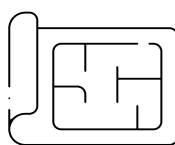
Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalized customized options.

1 Prepare this information:



Project Area

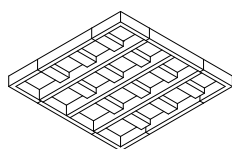


Ceiling Plans (RCP)



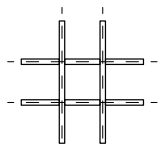
Other Considerations

2 Specify your options



Layout

page 4



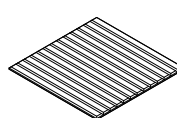
Cell Size

page 4



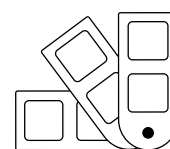
Beam Depth
and Width

page 6



Tile Options

page 7 - 8



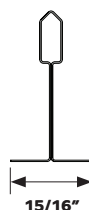
Colour and
Texture

page 19 - 21

3 Select installation method:



T-Grid (24mm)
*(By Others)

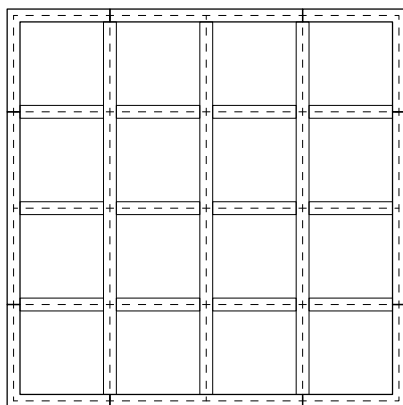


T-Grid (15/16")
*(By Others)

MERO Modular Ceiling Grid

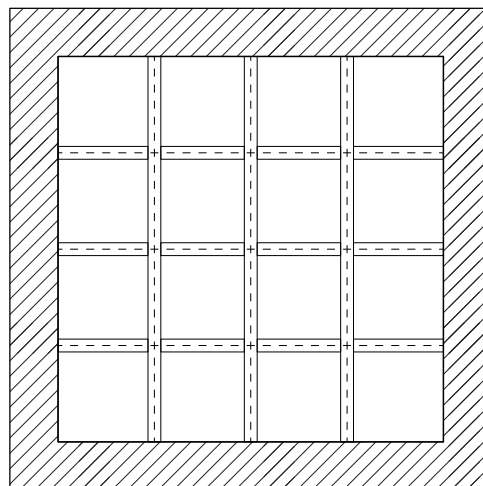
Specification Guide

1 Layout



Floating Installation

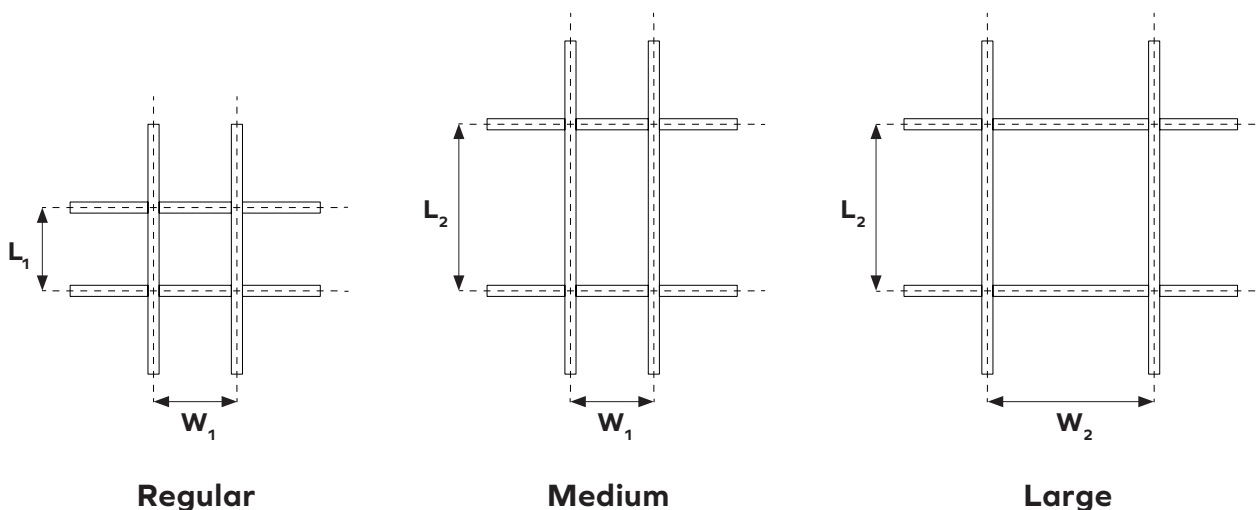
Provided with a perimeter for use in a stand alone floating installation or to be installed in a grid with standard ceiling tiles around it.



Wall to Wall Installation

No perimeter, beam ends will attach directly to wall.

2 Cell sizes



Dimension tables¹

Name	Metric T-Grid		Imperial T-Grid	
L₁ Length 1	600mm	23 5/8"	609.6mm	24"
L₂ Length 2	1200mm	47 1/4"	1219.2mm	48"
W₁ Width 1	600mm	23 5/8"	609.6mm	24"
W₂ Width 2	1200mm	47 1/4"	1219.2mm	48"

¹ - all dimensions are nominal

MERO Modular Ceiling Grid

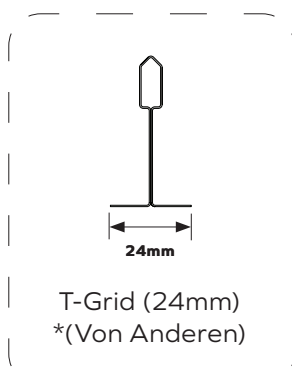
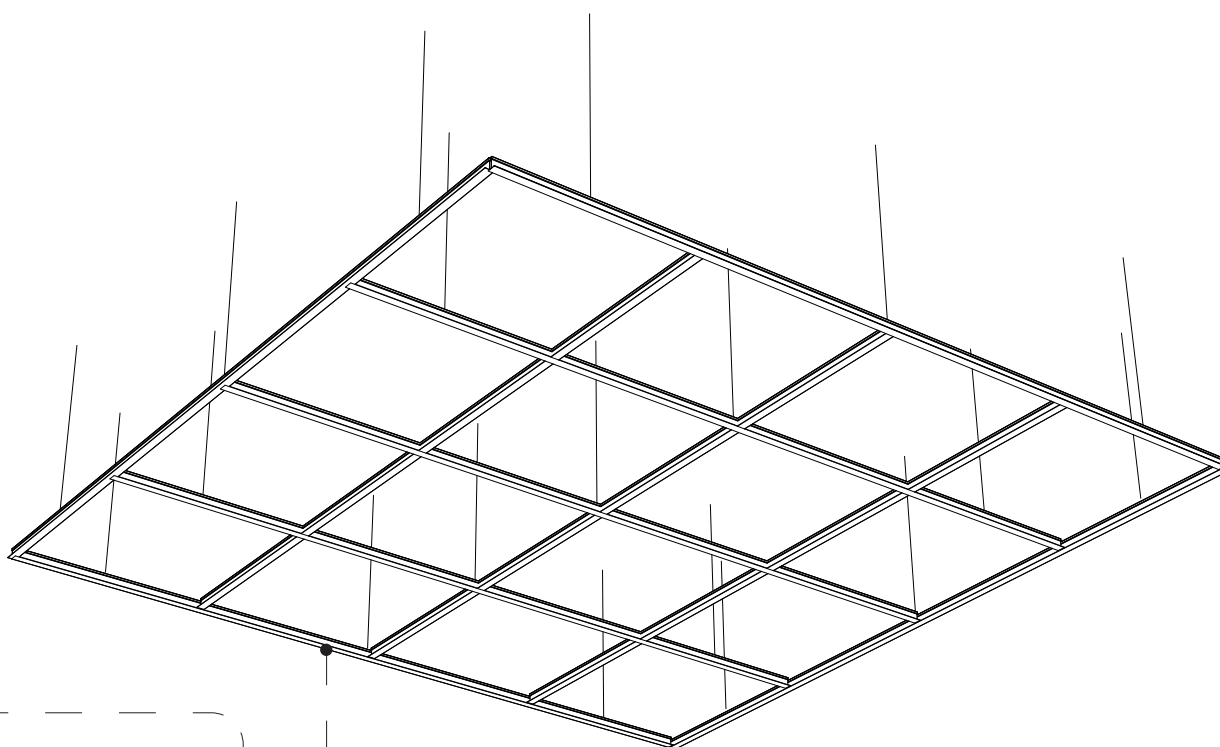
Specification Guide

3 T-Grid size

Mero grids must be installed on a third party T-Grid. We recommend using **PRELUDE 15/16" Exposed Tee Grid System** from Kanopi by Armstrong (US: 24" x 24" Cells) or **Armstrong SELECT 1000 24mm Exposed Tee System** from KNAUF Ceiling Solutions (EU: 600mm x 600mm Cells).

T-Grid from other suppliers may be used, however it must have a **profile width of 15/16" or 24mm**.

Please make sure to specify the grid type and cell size so that the correct sized Mero grid can be provided.



Note: T-Grid image, including hanging cable placements is for demonstration purposes only. Consult a structural engineer and adhere to local regulations when installing T-Grid.

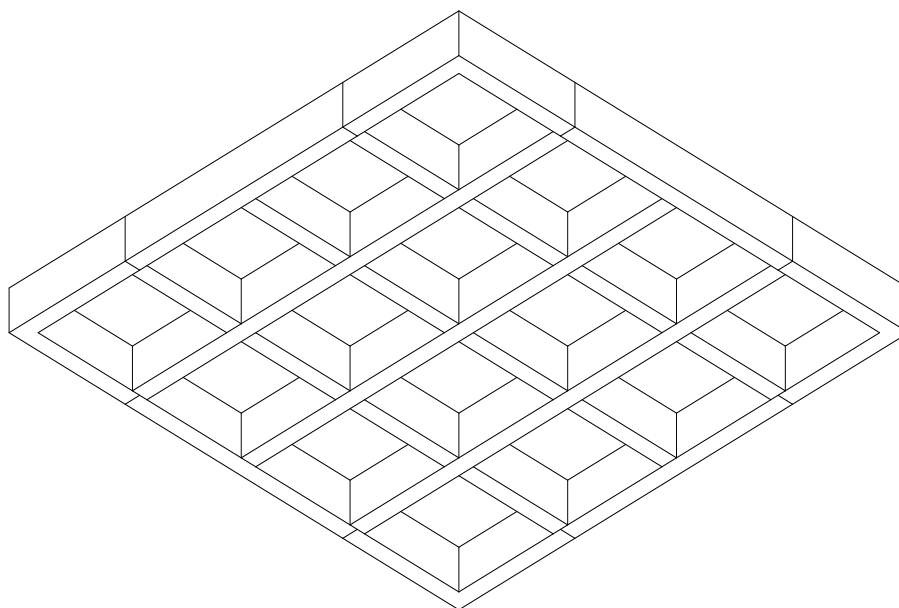
MERO Modular Ceiling Grid

Specification Guide

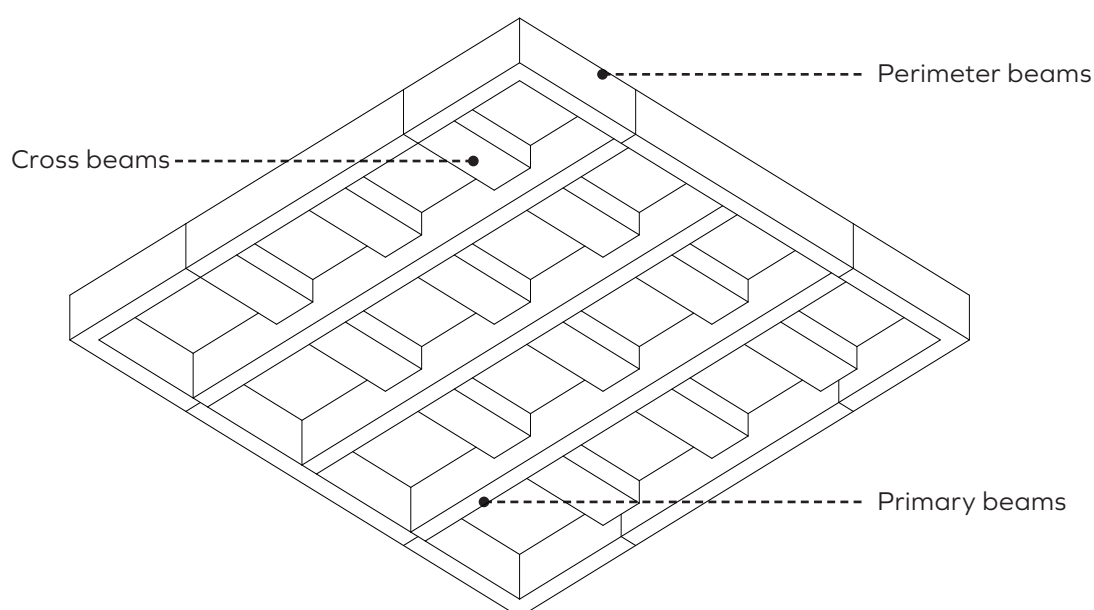
4 Dual or single beam depth and width

Choose a size for the primary, perimeter and cross beams. Please note that the cross beams cannot be deeper than the primary beams and the primary beams cannot be deeper than the perimeter beams.

Single beam depth and width



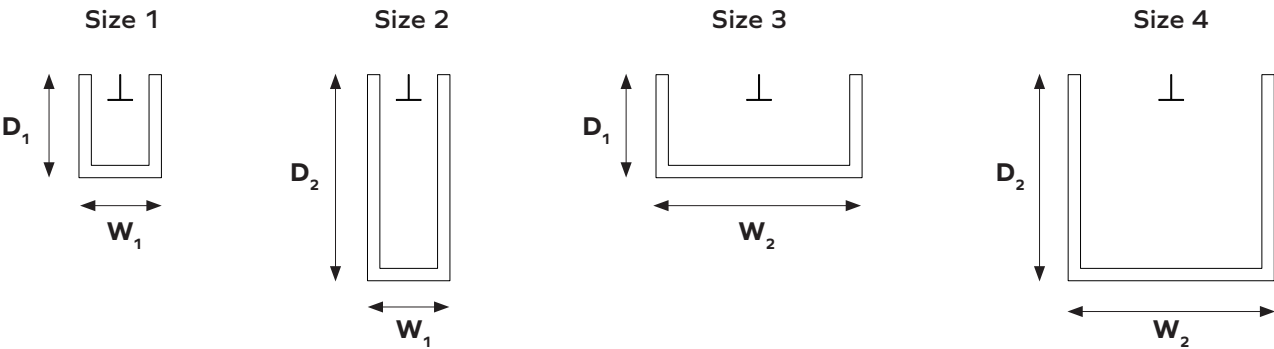
Dual beam depth and width



MERO Modular Ceiling Grid

Available Designs

Available beam sizes



Dimension tables ²

Name	Size mm	Size Inches
D_1 Depth 1	100mm	3 ¹⁵ / ₁₆ "
D_2 Depth 2	200mm	7 ⁷ / ₈ "
W_1 Width 1	80mm	3 ⁵ / ₃₂ "
W_2 Width 2	200mm	7 ⁷ / ₈ "

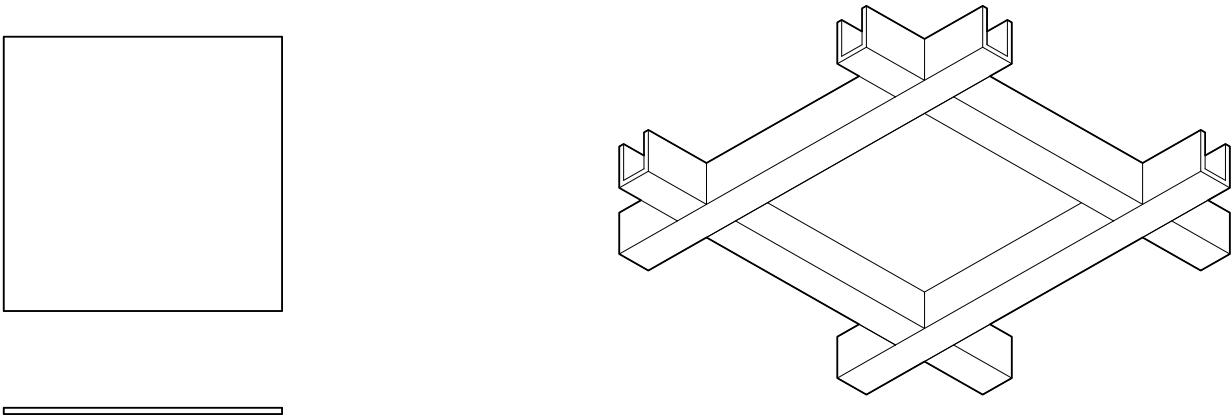
5 Available tile infill designs

Choose a tile cap design or have an open top Mero Grid. Each design will be scaled to fit your specific sized grid.

1

Plain - Tile Cap - Type 1

Metric 715.12.36.000.00; Imperial 715.12.46.000.00



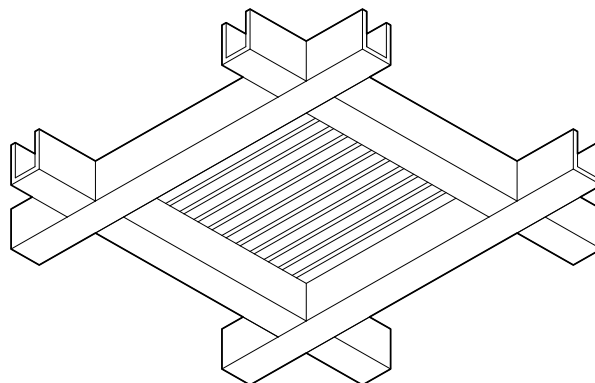
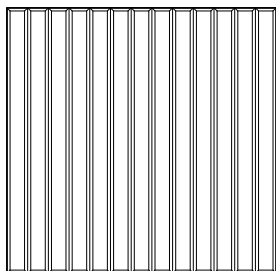
MERO Modular Ceiling Grid

Available Designs

Choose a tile cap design or have an open top Mero Grid. Each design will be scaled to fit your specific sized grid.

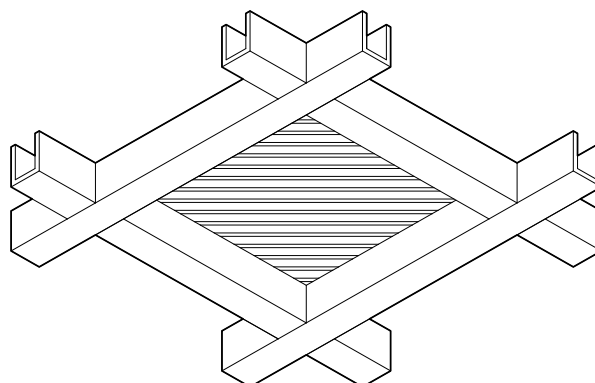
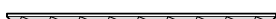
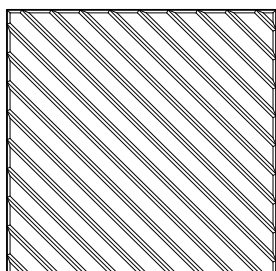
2 Linear - Tile Cap - Type 2

Metric 715.12.37.000.00; **Imperial** 715.12.47.000.00



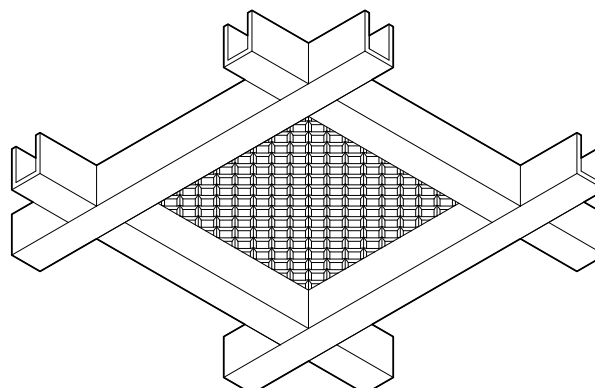
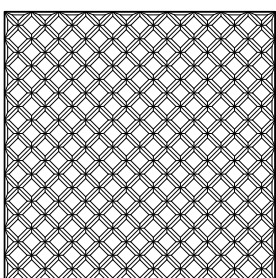
3 Cross - Tile Cap - Type 3

Metric 715.12.38.000.00; **Imperial** 715.12.48.000.00



4 Velvet - Tile Cap - Type 4

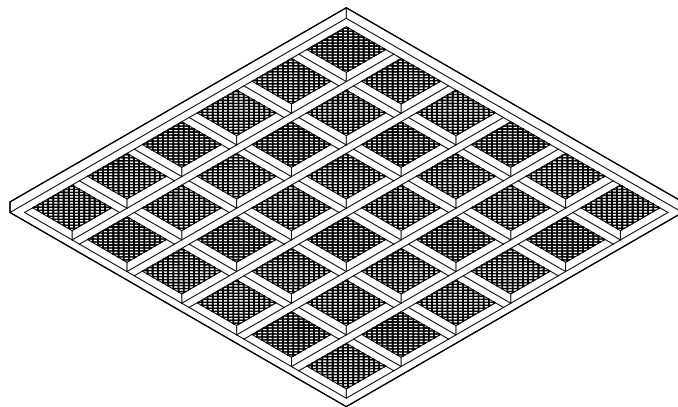
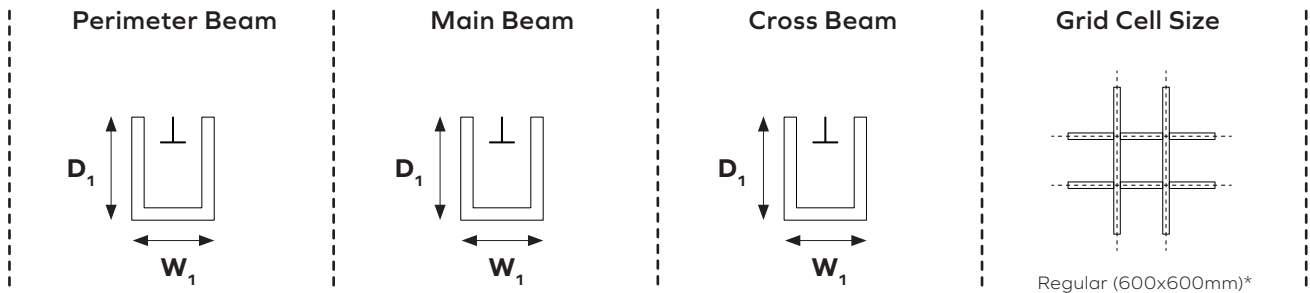
Metric 715.12.39.000.00; **Imperial** 715.12.49.000.00



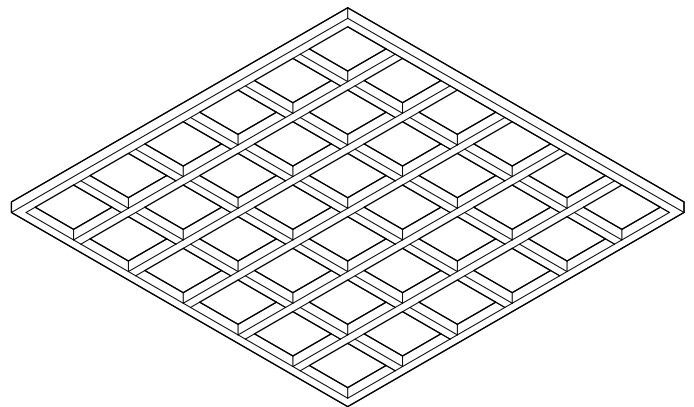
MERO Modular Ceiling Grid

Recomended Layouts

1 Layout 1



With Infill Tile
(Velvet tile)



Without Infill Tile

Dimension tables¹

	Metric Grid	Imperial Grid
Name	Size mm	Size Inches
D₁ Depth 1	100mm	3 ¹⁵ / ₁₆ "
W₁ Width 1	80mm	3 ⁵ / ₃₂ "
Grid Cell Size	600 x 600mm*	24" x 24" *

* Grid Cell Sizes will be dependent on the T-Grid available in your region.

Name	Code Metric	Code Imperial
Mero Layout 1 ARCHISONIC® Felt	715.12.31.000.00	715.12.41.000.00
Infill Tile for Layout 1*	715.12.39.000.00	715.12.49.000.00

* All 4 infill tile design options are available

1 - all dimensions are nominal

IMPACT ACOUSTIC®
MERO Modulare Decken Grid 06.11.25

(Switzerland)
(USA)
(Philippines)

connect@impactacoustic.com
usa@impactacoustic.com
philippines@impactacoustic.com

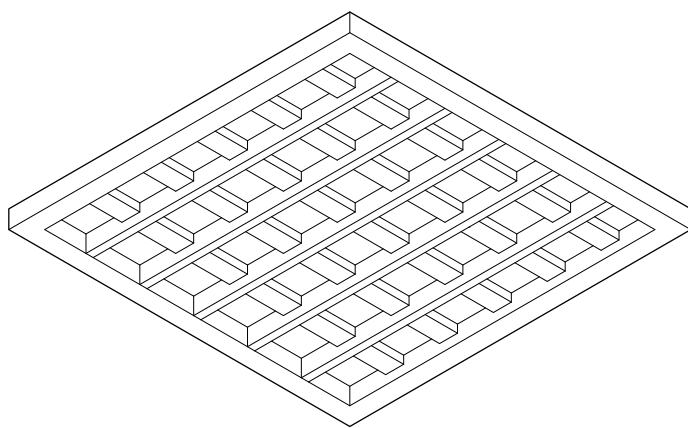
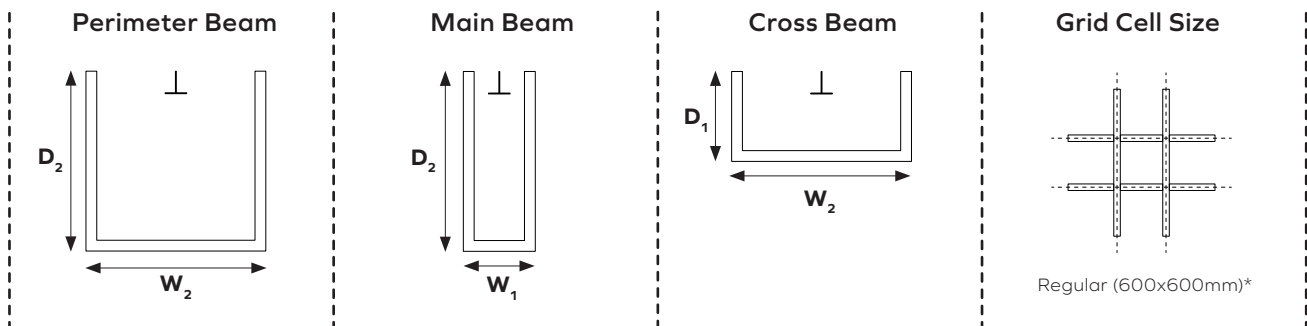
(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

WeMakeAnImpact

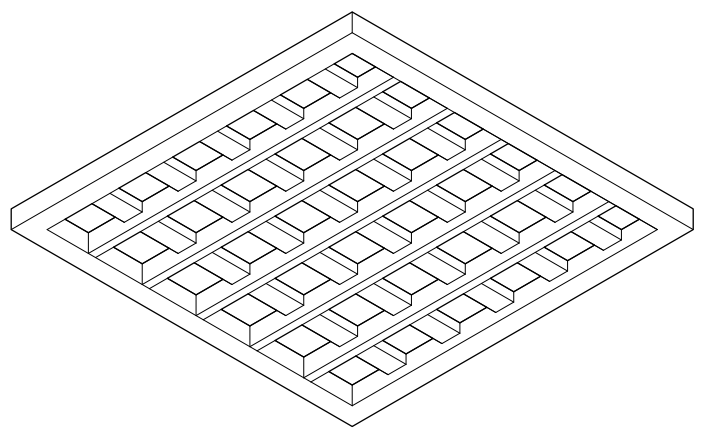
MERO Modular Ceiling Grid

Recomended Layouts

2 Layout 2



With Infill Tile
(Plain tile)



Without Infill Tile

Dimension tables¹

	Metric T-Grid	Imperial T-Grid
Name	Size mm	Size Inches
D_1 Depth 1	100mm	3 ¹⁵ / ₁₆ "
D_2 Depth 2	200mm	7 ⁷ / ₈ "
W_1 Width 1	80mm	3 ⁵ / ₃₂ "
W_2 Width 2	200mm	7 ⁷ / ₈ "
Grid Cell Size	600 x 600mm*	24" x 24"*

* Grid Cell Sizes will be dependent on the T-Grid available in your region.

Name	Code Metric	Code Imperial
Mero Layout 2 ARCHISONIC® Felt	715.12.32.000.00	715.12.42.000.00
Infill Tile for Layout 2*	715.12.36.000.00	715.12.46.000.00

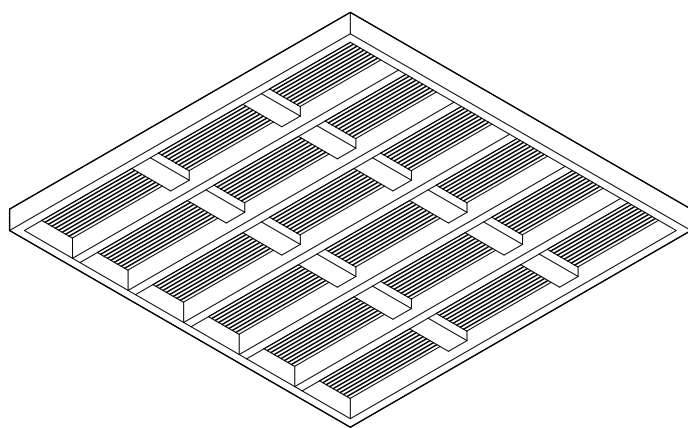
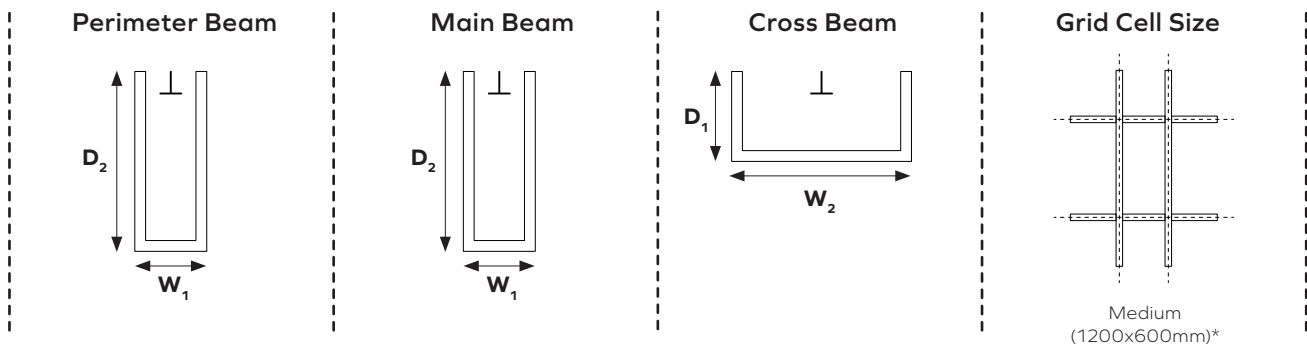
* All 4 infill tile design options are available

1 - all dimensions are nominal

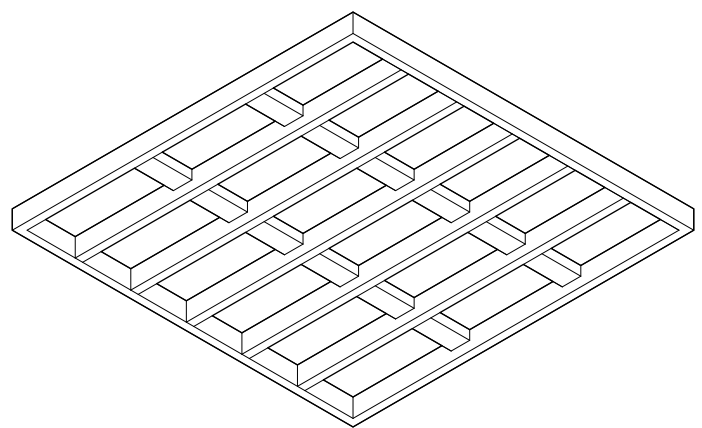
MERO Modular Ceiling Grid

Recomended Layouts

3 Layout 3



With Infill Tile
(Linear tile)



Without Infill Tile

Dimension tables¹

	Metric T-Grid	Imperial T-Grid
Name	Size mm	Size Inches
D_1 Depth 1	100mm	3 ¹⁵ / ₁₆ "
D_2 Depth 2	200mm	7 ⁷ / ₈ "
W_1 Width 1	80mm	3 ⁵ / ₃₂ "
W_2 Width 2	200mm	7 ⁷ / ₈ "
Grid Cell Size	1200 x 600mm*	48" x 24" *

* Grid Cell Sizes will be dependent on the T-Grid available in your region.

Name	Code Metric	Code Imperial
Mero Layout 3 ARCHISONIC® Felt	715.12.33.000.00	715.12.43.000.00
Infill Tile for Layout 3*	715.12.37.000.00	715.12.47.000.00

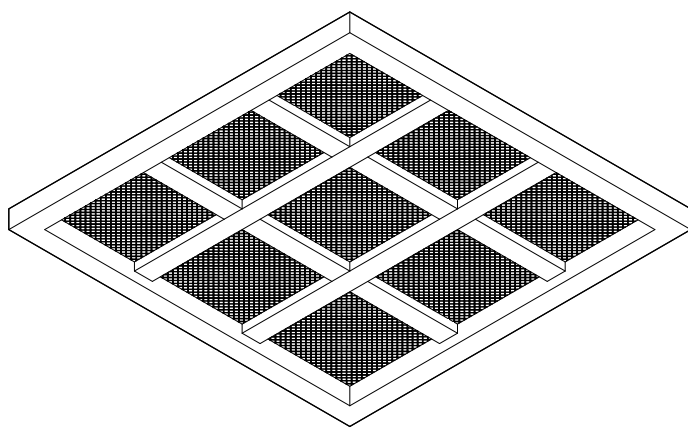
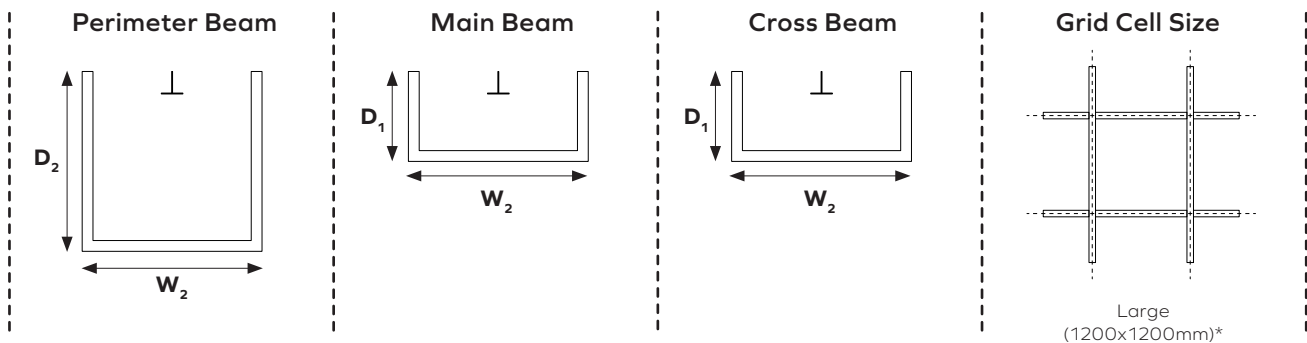
* All 4 infill tile design options are available

1 - all dimensions are nominal

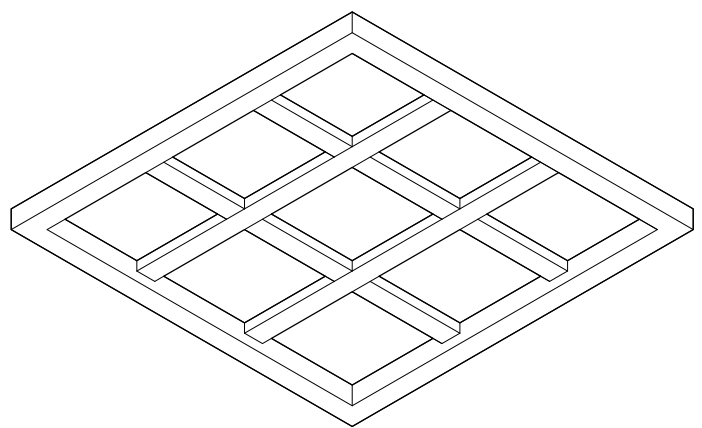
MERO Modular Ceiling Grid

Recomended Layouts

4 Layout 4



With Infill Tile
(Velvet tile)



Without Infill Tile

Dimension tables¹

	Metric T-Grid	Imperial T-Grid
Name	Size mm	Size Inches
D_1 Depth 1	100mm	3 ¹⁵ / ₁₆ "
D_2 Depth 2	200mm	7 ⁷ / ₈ "
W_2 Width 2	200mm	7 ⁷ / ₈ "
Grid Cell Size	1200 x 1200mm*	48" x 48"*

* Grid Cell Sizes will be dependent on the T-Grid available in your region.

Name	Code Metric	Code Imperial
Mero Layout 4 ARCHISONIC® Felt	715.12.34.000.00	715.12.44.000.00
Infill Tile for Layout 4*	715.12.39.000.00	715.12.49.000.00

* All 4 infill tile design options are available

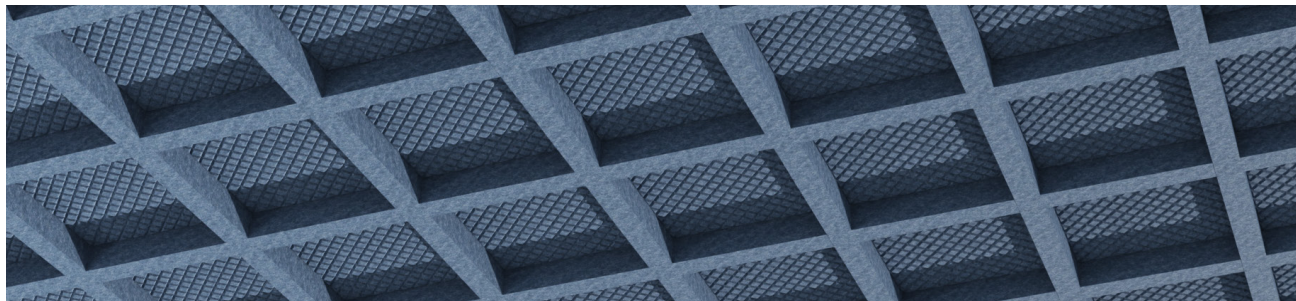
1 - all dimensions are nominal

MERO Modular Ceiling Grid

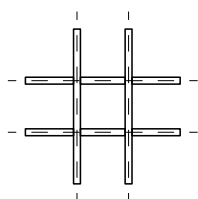
Bespoke Layouts



5 Bespoke Layouts



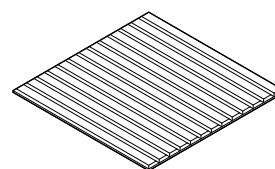
Create your own custom layout using the Mero visualiser on our website, experiment with different beam sizes, grid cell sizes and tile options to find the perfect layout within thousands of available combinations. Use the QR code to visit our website and use the Mero grid visualiser. Consult our team for feasibility on any bespoke layouts.



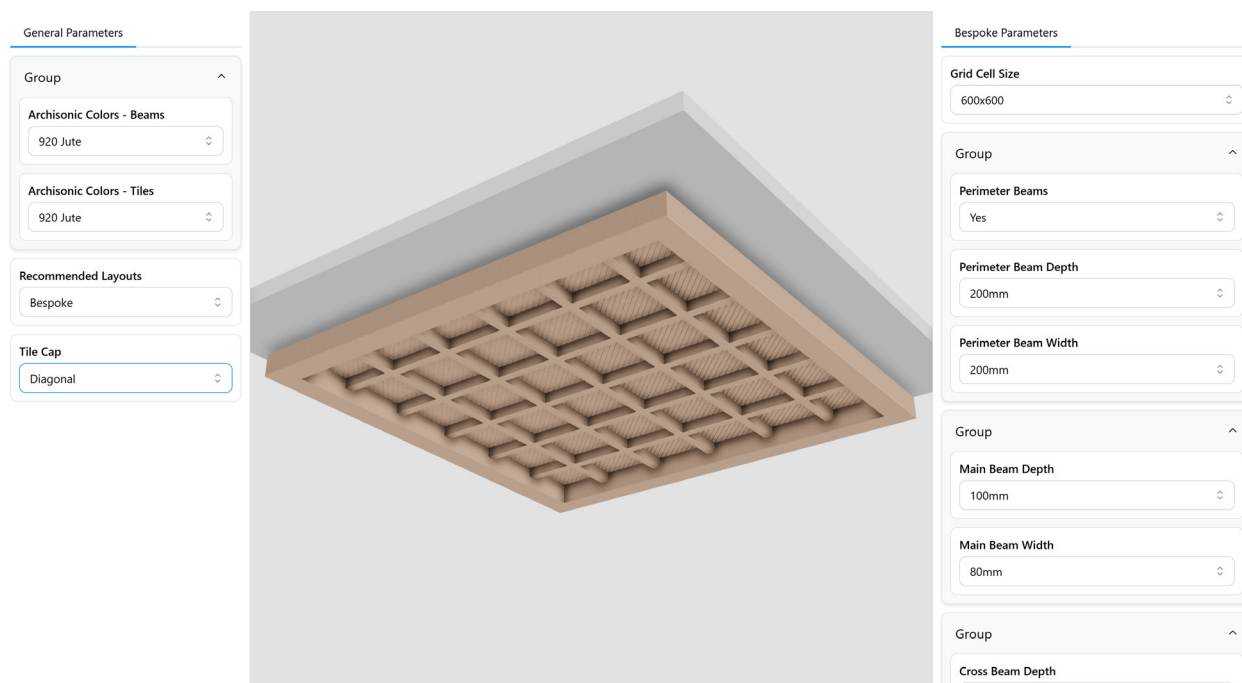
Cell Size



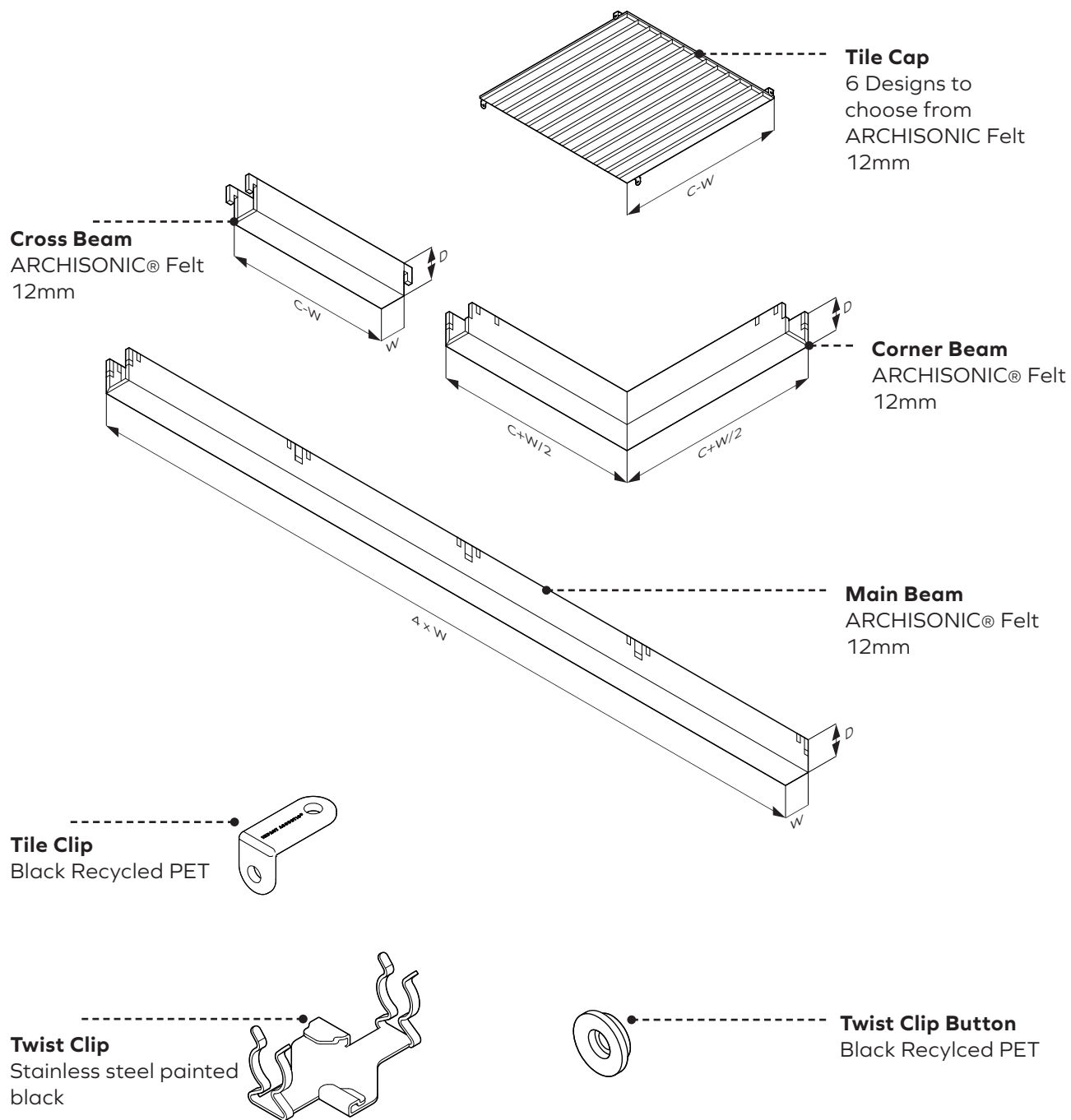
Beam Depth
and Width



Tile Options



MERO Modular Ceiling Grid Components



Dimensions¹

W	Width of Beam	80mm / 3 1/8"	200mm / 7 7/8"
D	Depth of Beam	100mm / 3 15/16"	200mm / 7 7/8"
C	Cell size of grid	600mm / 24"	1200mm / 48" Subject to Grid type

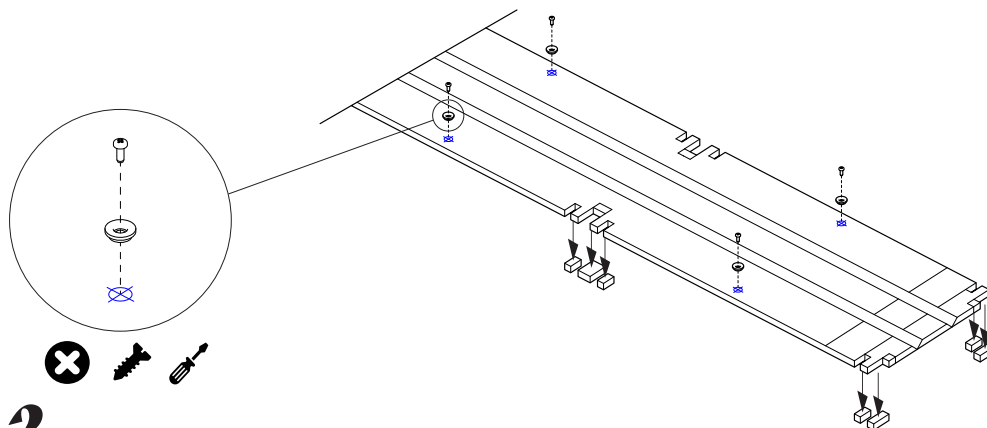
¹ - all dimensions are nominal

MERO Modular Ceiling Grid

Installing Beams on T-Grid

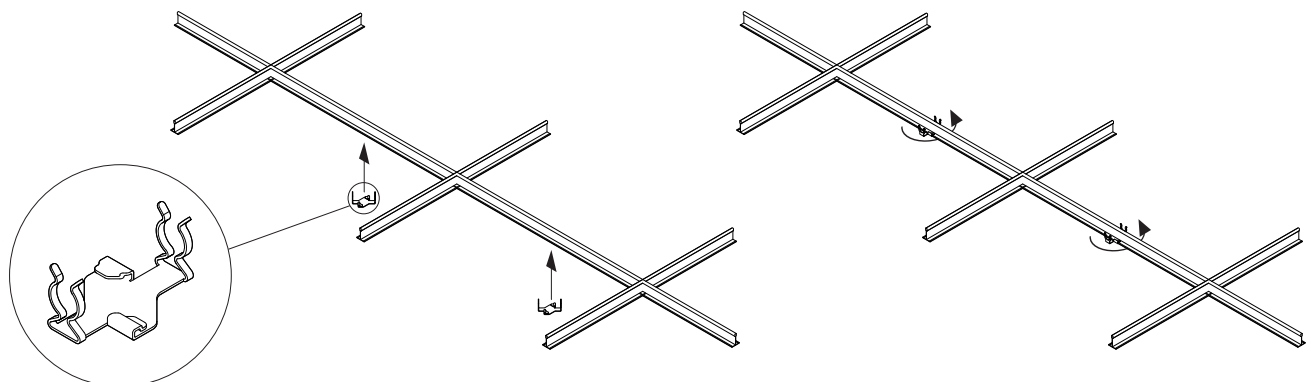
1 Screw in twist clip buttons and rip off the required slots

If the beam is used for a perimeter, do not rip off the smaller tabs on the outward facing side. Otherwise, the holes will be visible.

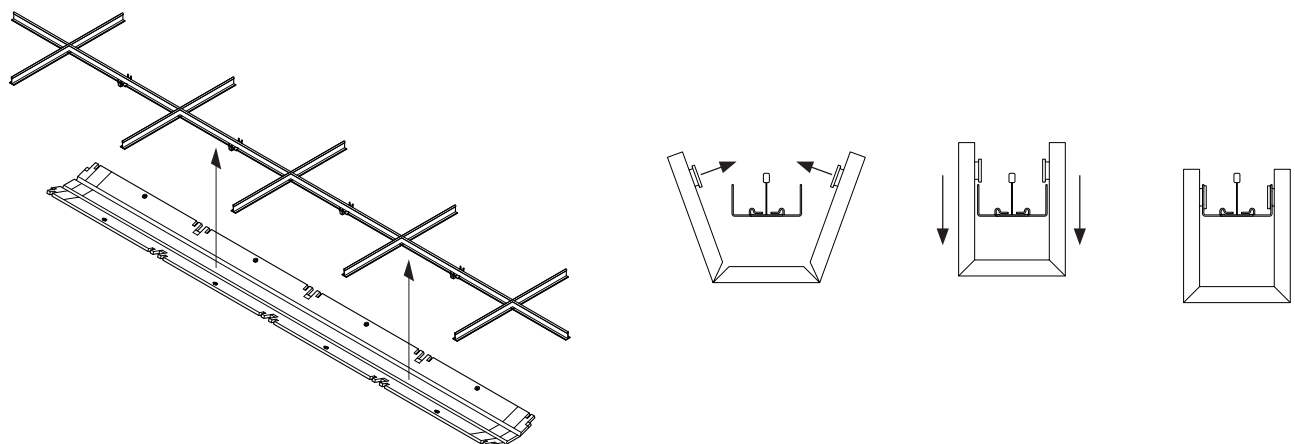


2 Secure twist clips onto the T-Grid

Place the clips on the T-Grid at a 45 degree angle and then rotate to secure, place every 600mm on the main runners starting 300mm from the intersection (do not place on cross T's).



3 Fold main beam around T-Grid and clip onto twist clip

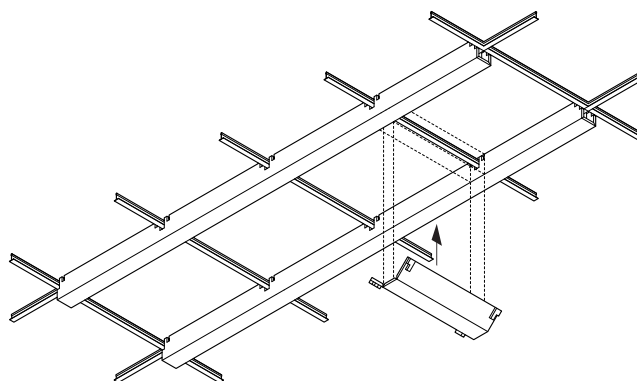


MERO Modular Ceiling Grid

Installation Overview

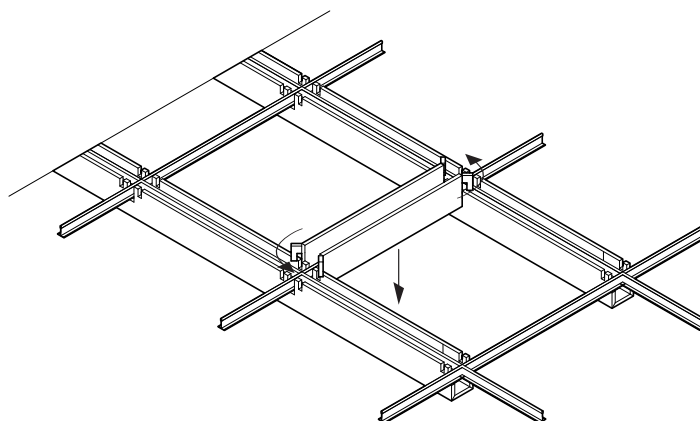
4 Fold the cross beam around the T-Grid

Fold the Cross beam hooks back wards to allow the cross beam to fit.

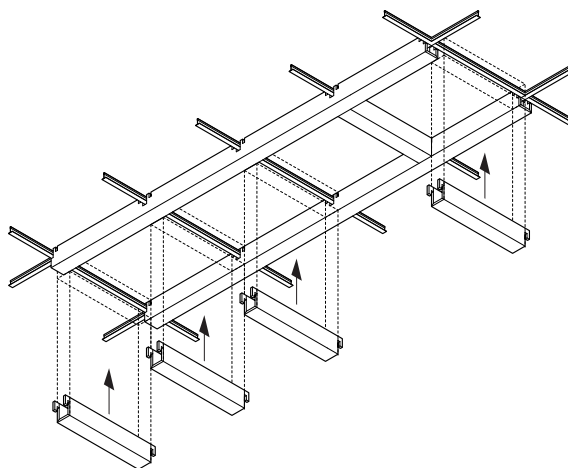


5 Unfold cross beam hooks and slot into main beam

Unfold the cross beam hooks and secure into the rip away slots



6 Repeat across whole installation

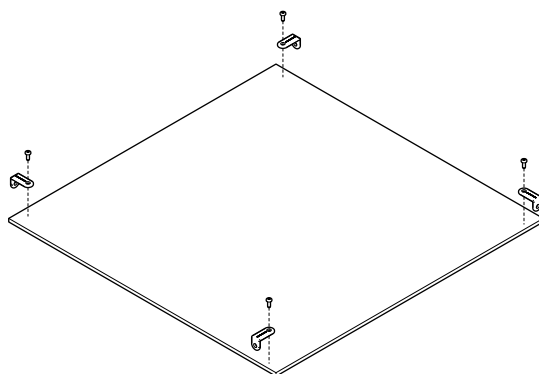


MERO Modular Ceiling Grid

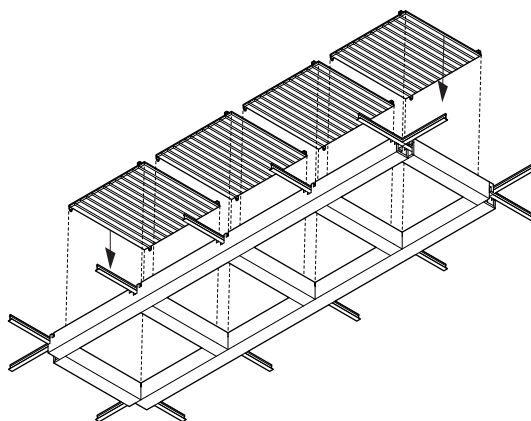
Installation Overview

7 Screw tile clips onto the tiles

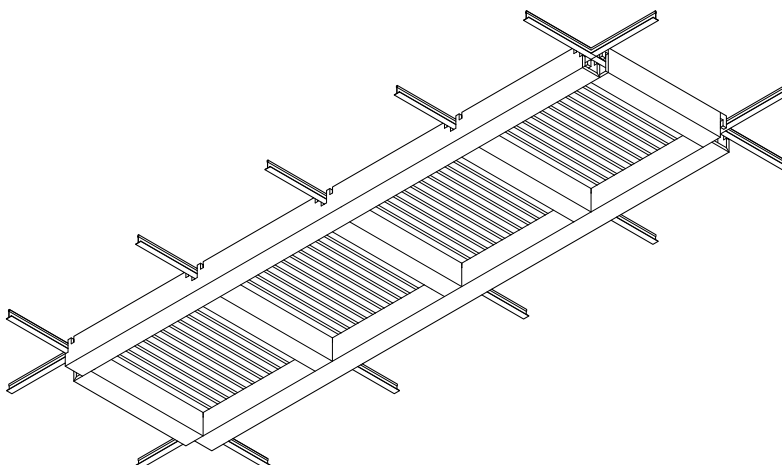
Screw the clips in allowing a gap of 12mm from the edge of the tile and the bend of the clip. Adjust screw position to avoid areas with smaller material thickness i.e. in V grooves.



8 Drop tiles onto grid



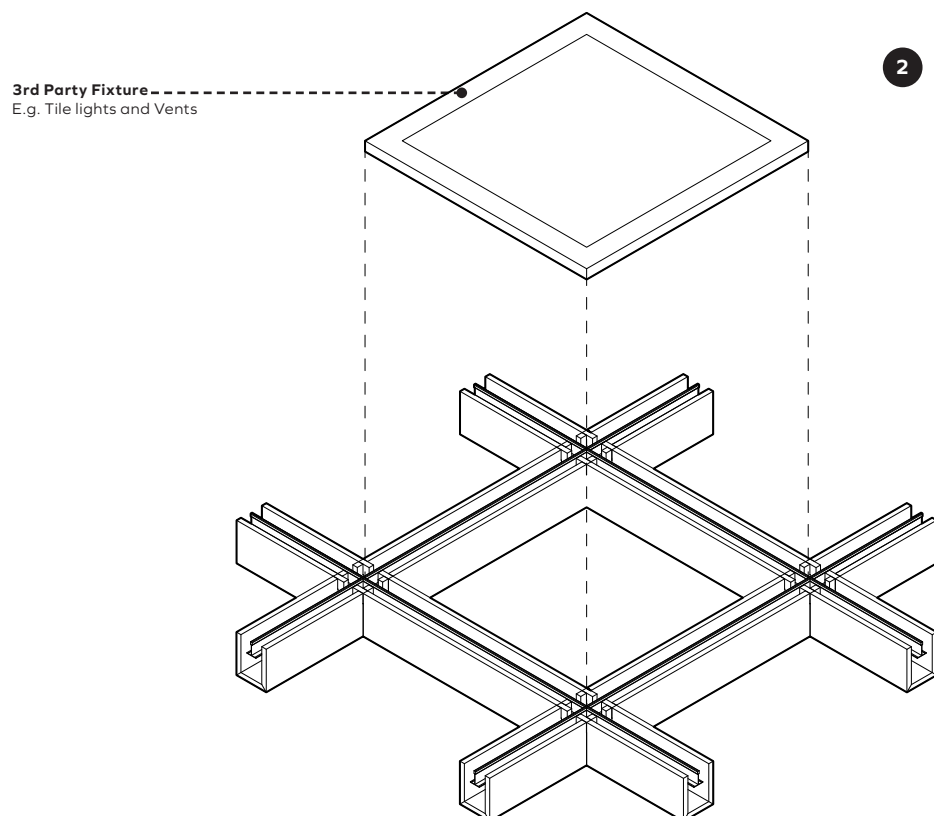
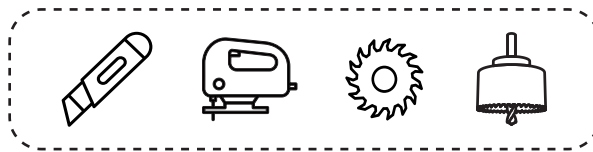
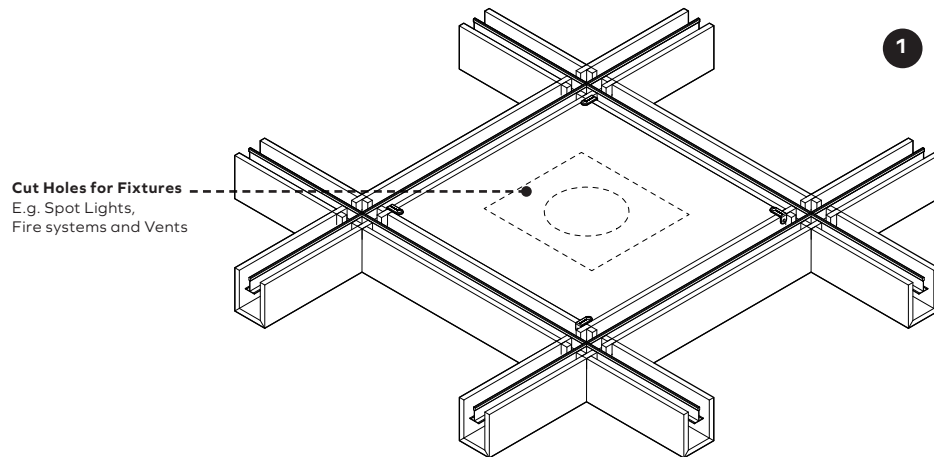
9 Finished section



MERO Modular Ceiling Grid

Fixing 3rd Party Fixtures

To Install 3rd party fixtures like spot lights, Smoke detectors/sprinklers or vents, holes can be cut out of the Infill tiles on site with a sharp carpentry knife, hole saw drill bit or rotary circular saw for wood (ex. Bosch Ø160 x 2,2/1,6 x 20mm, 48HW blade for wood) (Figure 1). Please cut the Felt while flat on the ground before the assembly. Make sure blade does not get hot, this could cause the Felt material to melt and the edge to deform. Larger fixtures like grid tile lights or vents can be placed ontop of the grid as you would in a standard T-Grid installation (Figure 2).



ARCHISONIC® Felt Colours



Name	Snow White	Milk	Cloud	Gull	Smoke	Ground	Charcoal	Slate	Raven
Code	500	404	103	144	442	108	542	444	550
NCS	S 0300-N	S 0502-Y	S 1002-B	S 2502-Y	S 3005-R80B	S 5005-Y20R	S 7502-B	S 4500-N	S 8500-N

Name	Nordic Pine	Grove	Fern	Moss	Spearment	Ice Blue	Succulent	Deep Sea	True Navy
Code	311	317	180	439	706	304	712	918	194
NCS	S 5030-G10Y	S 7020-G30Y	S 6010-G90Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S 8005-B

Name	Lichen	Linen	Shell Pink	Jute	Warm Stone	Terracotta	Soft Coral	Honeycomb	Sunshine
Code	160	107	102	920	105	239	516	139	846
NCS	S 4005-Y	S 1505-Y30R	S 0510-R30B	S 3010-Y30R	S 3010-Y50R	S 4040-Y70R	S 2020-Y90R	S 2050-Y20R	S 1040-Y10R

Name	Garnet	Hot Pink	Poster Red	Electric Orange	Winter Sky	Pacific Ocean	Midnight	Grape	Marine Blue
Code	724	140	662	464	410	432	810	540	864
NCS	S 5040-R10B	S 2060-R20B	S 1080-R	S 0580-Y70R	S 2020-R90 B	S 3040-B	S 7020-R70B	S 5040-R40B	S 4050-R70B

These NCS codes are the closest visual match available and may not be exact to blended fibres.

ARCHISONIC®

Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 36 colours across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6

ISO 105-B02:A1

Order a free sample box



ARCHISONIC® Riftcut

A Synthesis of Nature and Innovation

Developed in collaboration with German veneer specialists Schotten & Hansen and Swiss designer Ina Rinderknecht, ARCHISONIC® Riftcut adds a natural touch to our acclaimed Felt range.



ARCHISONIC® Riftcut Flax 50

Colour options

The printed shades form the basis of 24 colour spectrum, offering interior designers a sophisticated range of options linked to natural dyes.



Sustainable Ink

CP65 and RoHS3 compliant



Order a free sample set



ARCHISONIC® Riftcut Natural Collection

Natural Collection colour sets

Riftcut Natural Collection (NC) is a natural wood shade extension to our bestselling Riftcut. Developed in collaboration with German veneer specialists Schotten & Hansen, ARCHISONIC® Riftcut NC introduces 3 different colour groups: elegant brights, essential mids and classical darks.



ELEGANT BRIGHTS



240 Pebble



241 Sunlit



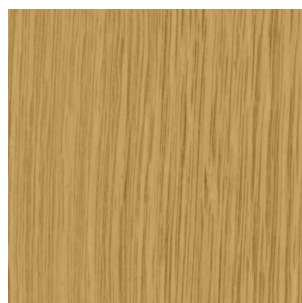
242 Blush



ESSENTIAL MIDS



243 Malt



244 Honey



245 Mocha



CLASSICAL DARKS



246 Woodsmoke



247 Bourbon



248 Twilight

Sustainable Ink

CP65 and RoHS3 compliant



Order a free sample set



ARCHISONIC® Felt

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic²	ASTM: NRC=0.6 ISO: αw=0.65	ASTM: NRC=0.9 ISO: αw=0.95
Density¹	2400 g/m ² (0.49 lbs/ sqft)	4000 g/m ² (0.82 lbs/sqft)
Colour Fastness	Class 6 ISO 105-B02:A1	
Colour	36 colours (see ARCHISONIC® Felt Colour page for more information)	
Maintenance	For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.	
Production Lead time³	21 days	
Fire Rating	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission	28 Days French Regulation A+ ASTM E84 Pass Breeam® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard Method V1.2) Pass	
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), SCS Recycled Content	
Durability	Contract	

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product



Climate-KIC is supported by the EIT, a body of the European Union



ARCHISONIC® Felt (Printed option)

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	
Max. Size	1200x2800mm (47"x110")	
Acoustic^{2, 4}	ASTM: NRC=0.6 ISO: α_w =0.65	
Density¹	2400 g/m ² (0.49 lbs/ sqft)	
Colour	33 printed finishes.	
Maintenance	To prevent dust and stains, regularly dust or vacuum with a soft brush. Avoid tools that might scratch the surface. Use mild detergents sparingly for tough stains, blotting instead of rubbing with a microfiber cloth. Test cleaning methods on a hidden area first to check for adverse effects.	
Lead Time^{3, 4}	21 days	
Fire Rating⁴	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission⁴	28 Days French Regulation A+ ASTM E84 Pass Breeam® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard-Method V1.2) Pass	
Certifications⁴	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), SCS Recycled Content	
Ink Certifications	UL Greenguard, No NVC, No VOCs, No TPO, Vegan, compliant with California Prop65 (CP65) and European Directive RoHS3	
Durability	Contract	

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product



Climate-KIC is supported by the EIT, a body of the European Union



Declare.

DANAK
TEST Reg.nr. 522



MERO Modular Ceiling Grid

Acoustic Performance

Testing Standards

ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests

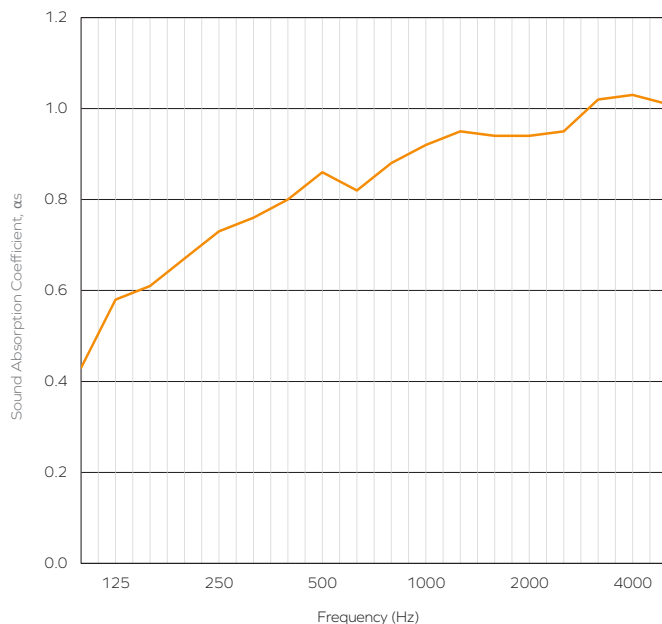
Acoustic Test Results	α_w	SAA	NRC
Mero ¹	0.90	0.85	0.85

1 - 12mm ceiling panel measured with 300mm air cavity

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

Acoustic Performance

Frequency (Hz)		125	250	500	1000	2000	4000
Mero	α_p	0.55	0.70	0.85	0.90	0.95	1.00



● Mero

The table represents the practical sound absorption coefficient (α_p) in accordance with ISO 11654. The graph represents the sound absorption coefficients (α_s) in the third octave band center frequencies in accordance with ISO 354. Measurement used Pink Noise as excitation signal in a reverberant room.

MERO Modular Ceiling Grid

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



CAD files



Spec sheets and
Installation Guide



Colour families



Instruction
videos



Associated
products specs

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill the majority of our orders in as little as 21 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



Contact our
consultant

Quote¹

48h



Order Confirmation

Production¹

6 - 8 Weeks



Dispatch

Transit

location based



Delivery

Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any question.



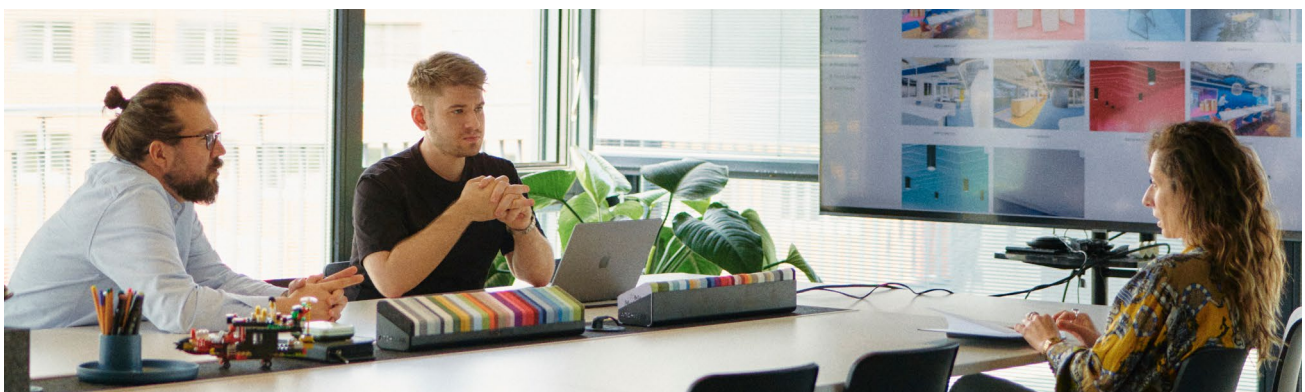
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
MERO Modulare Decken Grid 06.11.25

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