IMPACT ACOUSTIC®

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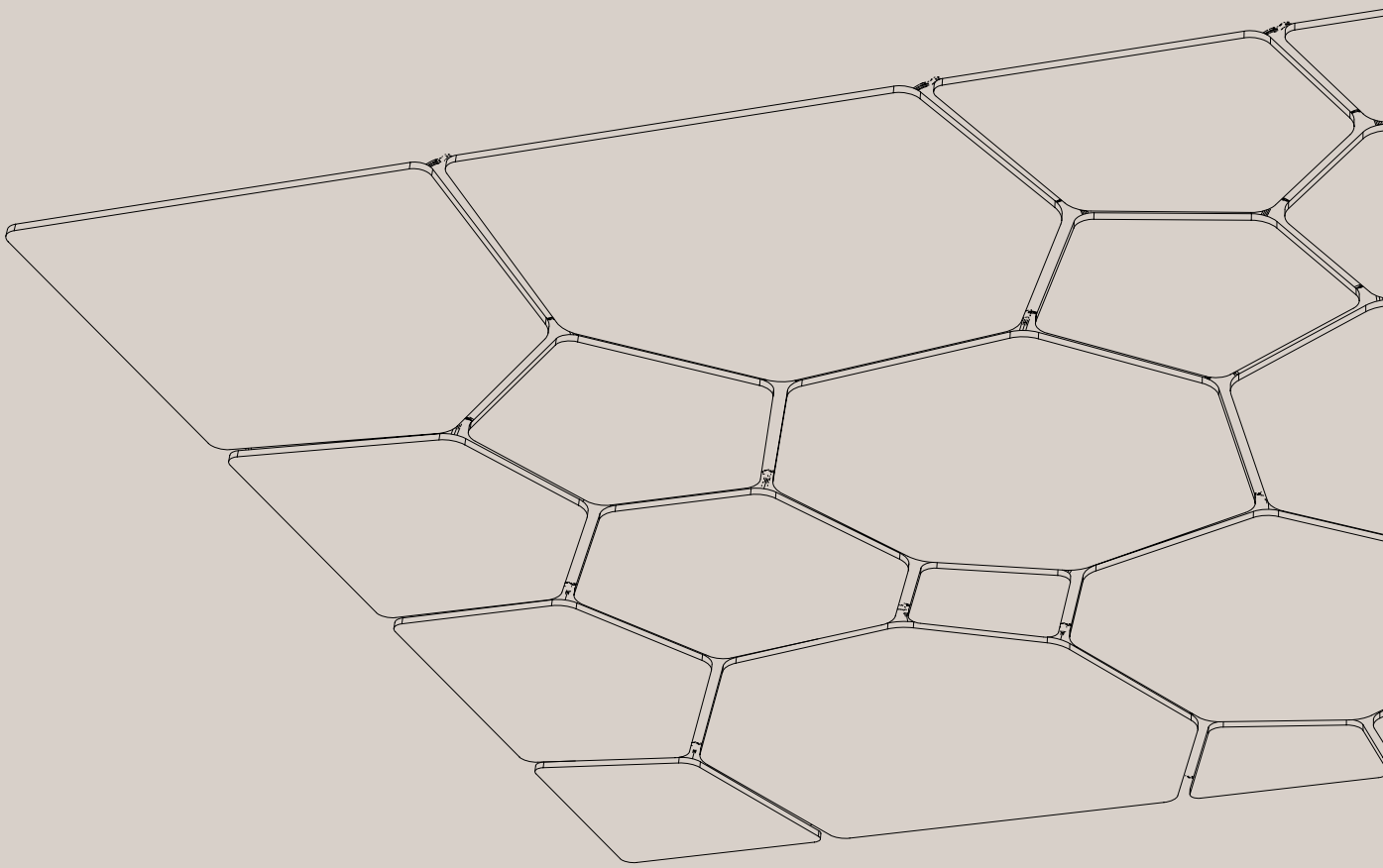
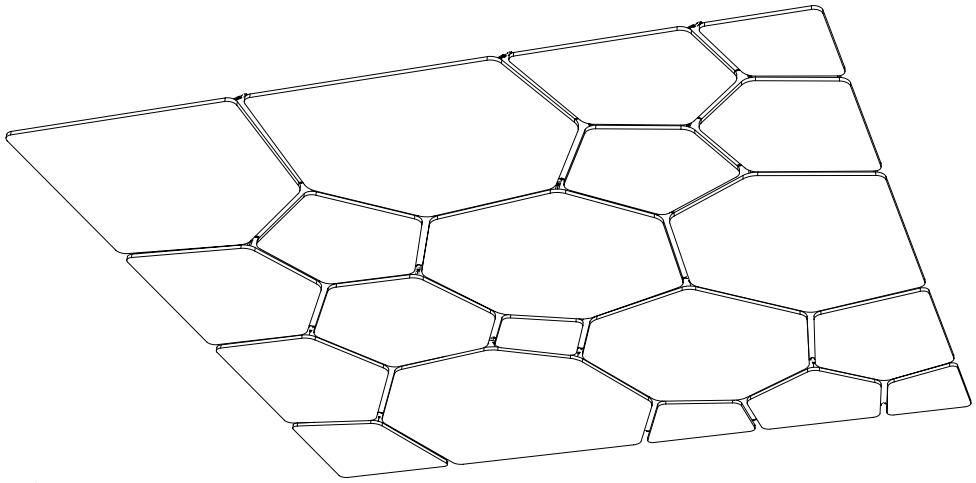


Plateau
Ceiling Panels

714.24.10.000.00
824.14.00.101.00

TECHNICAL DATA SHEET

Plateau
Ceiling Panels

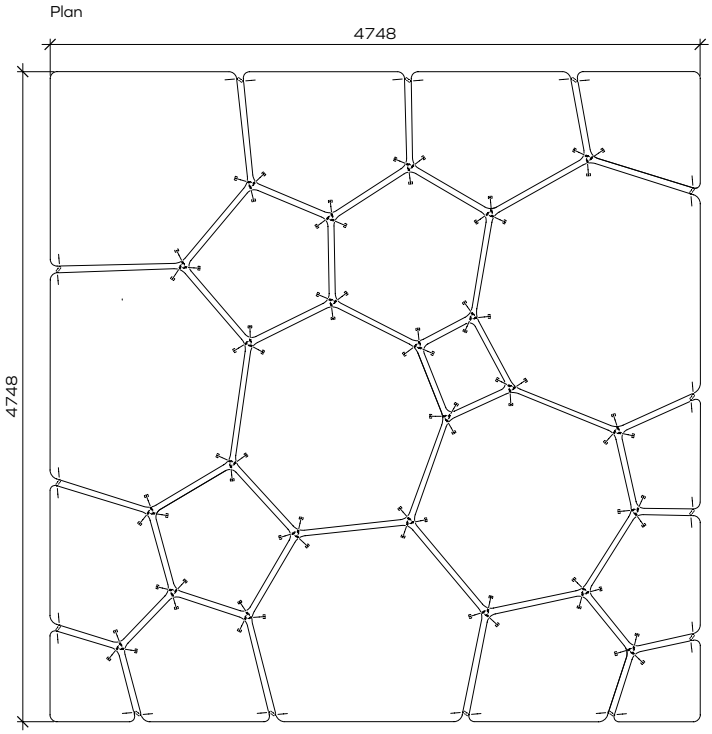


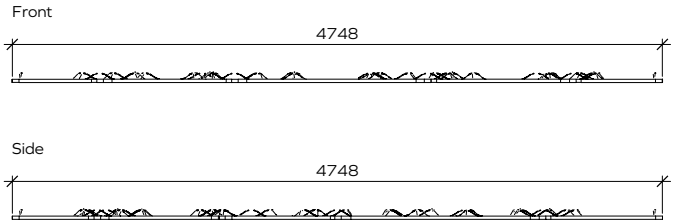
Article number
714.24.10.000.00

Dimensions

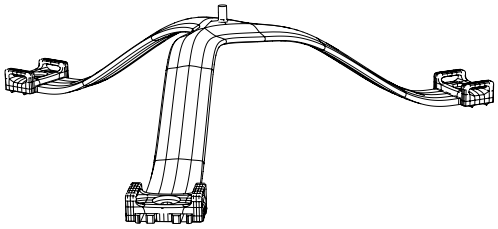
Length	Bespoke Design	
Width	Bespoke Design	
Thickness	24mm	0.94"

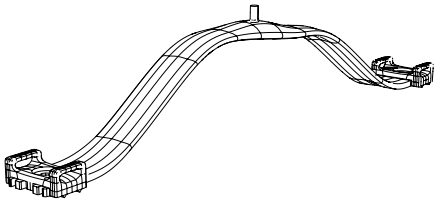
Information
incl. suspension kit, multiple colours possible





Suspension





IMPACT ACOUSTIC® Bodenhof 4, 6014 Luzern (Switzerland)

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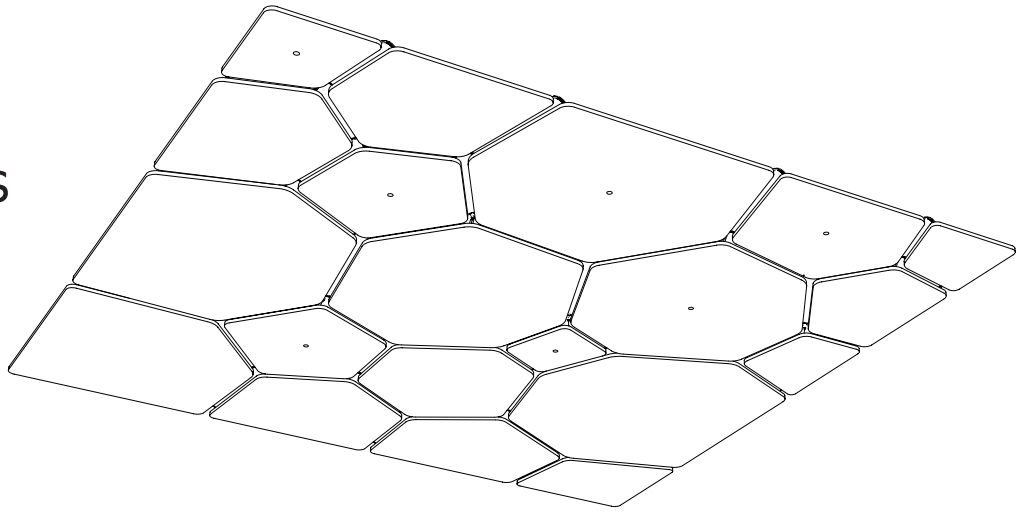
Plateau
Ceiling Panels



Lighting Technical Specifications

PROLICHT

Electrical

Voltage	220-240 V
Dimming	not dimmable (DALI on request)

Light

Light Distribution	Direct
FWHM/Beam angle	66°
Lamp Type	LED
Total Power	7 W
Luminous Flux of Light Source	475 lm
Usable luminous flux	361 lm
Colour rendering index (CRI)	90
Colour temperature (CCT)	4000 K

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Plateau
Ceiling Panels

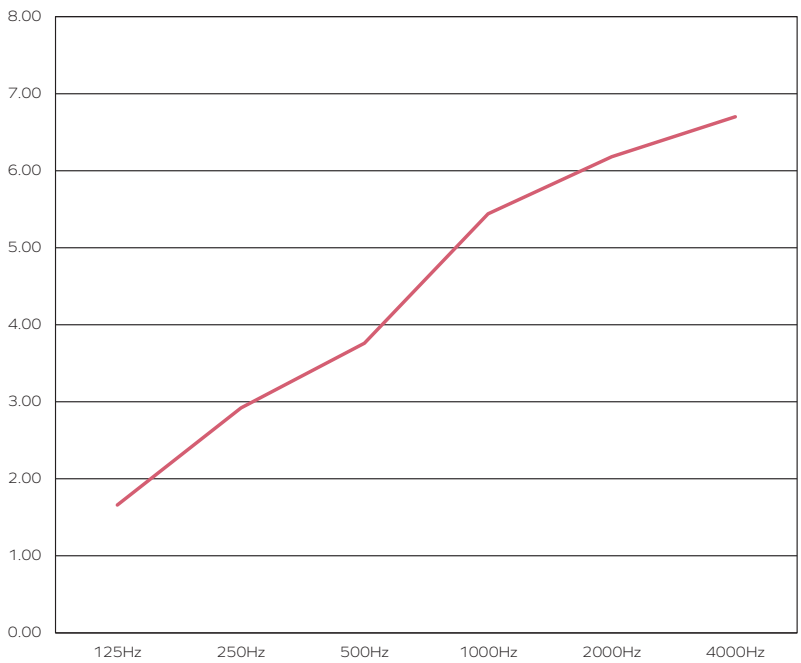
Acoustic Technical Specifications

Plateau Ceiling Panels 24mm

Frequency (Hz)	125	250	500	1000	2000	4000
Plateau Ceiling Panels 24mm	1.66	2.92	3.76	5.44	6.18	6.70

Sound Absorption Coefficient (αs) according to EN ISO 354
Universität Stuttgart – Institut für Akustik und Bauphysik IABP

University of Stuttgart
Germany



"If you want to control room acoustics from the ceiling, keep one important principle in mind: size matters."

– Daniel Verlooven,
Global Acoustic Ambassador

● Plateau Ceiling Panels 24mm

The graph represents the sound absorption coefficients (αs) in the third octave band center frequencies. Measurement used Pink Noise as excitation signal in a reverberant room.

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ARCHISONIC®
Colours

Quiet Neutrals

12mm & 24 mm

These shades work in harmony with natural textural materials and soften industrial environments. From light to dark and cool to warm, these are the foundations of any scheme where longevity and a mood of calm is desired.

Snow White
500

Cloud
103

Smoke
442

Ground
108

Charcoal
542

Slate
444

Raven
550

Linen
107

Jute
920

Warm Naturals

12mm & 24 mm

Combinations of lighter toned neutrals and pinks have a gently soothing and restorative effect while the more saturated hues make perfect environments for relaxation.

Warm Stone
105

Milk
404

Shell Pink
102

Soft Coral
516

Terracotta
239

Garnet
724

Linen
107

Jute
920

Honeycomb
139

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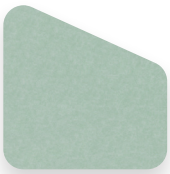
ARCHISONIC®
Colours

Living Greens

12mm & 24 mm

From the cool greens of forests to the yellowed aspect of young wheat, we see Living Greens breathing life into indoor spaces, and an essential palette for the future. Use in tonal layers brings the depth and diversity of green, while a single note can provide an amplifying backdrop to a biophilic space.



Spearmint
706

Succulent
712

Moss
439

Nordic Pine
311

Grove
317

Elemental Blues

12mm & 24 mm

These blues work perfectly both as familiar single hues and in effortless tonal layers to create an immersive environment for focus or restoration.

Ice Blue
304

Winter Sky
410

Marine Blue
864

Pacific Ocean
432

Midnight
810

Deep Sea
918

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ARCHISONIC®
Colours

Soothing Pastels

12mm & 24 mm

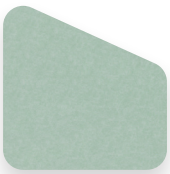
With tonal duos of pink and blue and green, this perfectly balanced group is designed for peaceful plays on light and shade and playful contrast. While the lightest tones have a dreamlike quality, their deeper counterparts add a subtle grounding.

Shell Pink
102

Soft Coral
516

Ice Blue
304

Winter Sky
410


Spearmint
706

Succulent
712

Elegant Darks

12mm & 24 mm

While colour can create a mood, it is the depth or lightness of a hue that truly defines the emotion. While each hue has the strength to stand alone, beautiful effects can be achieved with harmonized pairs.

Garnet
724

Marine Blue
864

Midnight
810

Nordic Pine
311

Raven
550

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ARCHISONIC®
Colours

Energetic Brights

12mm & 24 mm

There are no rules here with endless possibilities for clashing contrasts or surprising highlights. For a sophisticated use of energetic colour, take a single hue and colour match contrasting textiles and solid surfaces.

Pacific Ocean
432

Moss
439

Sunshine
846

Electric Orange
464

Hot Pink
140

Primary Play

12mm & 24 mm

The primary story happens when all three main colours are used together, with varied proportions creating differing moods. As with the Energetic Brights palette, combine with coordinating-coloured textiles and solid surfaces.

Snow White
500

Charcoal
542

Sunshine
846

Poster Red
662

Marine Blue
864

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ARCHISONIC®
Material

Composition

100% PET (60% certified post-consumer content)

Material Reutilisation

24mm
88 PET bottles/m²

12mm
53 PET bottles/m²

Density

24mm
4000 g/m² (+/-10%)

12mm
2400 g/m² (+/-10%)

Dimensions Raw Panels

24mm
1800 x 2400 x 24mm
70" x 94" x 0.94" (+/-7%)

12mm
1200 x 2800 x 12mm
47" x 110" x 0.47" (+/-7%)

Fire Test

B-s1, d0
DIN EN 13501-1

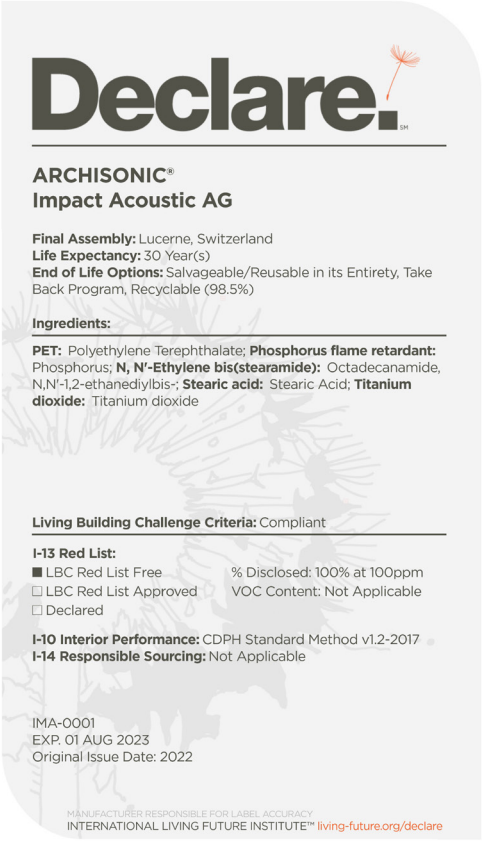
Class A
ASTM E84

VOC Emission

A+
28 Days French Regulation

Pass
14 Days CDPH/EHLB

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C


Declare.

ARCHISONIC®
Impact Acoustic AG

Final Assembly: Lucerne, Switzerland
Life Expectancy: 30 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Take Back Program, Recyclable (98.5%)

Ingredients:

PET: Polyethylene Terephthalate; **Phosphorus flame retardant:** Phosphorus; **N, N'-Ethylene bis(stearamide):** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic acid:** Stearic Acid; **Titanium dioxide:** Titanium dioxide

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free
☐ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: CDPH Standard Method v1.2-2017
I-14 Responsible Sourcing: Not Applicable

IMA-0001
EXP. 01 AUG 2023
Original Issue Date: 2022

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Care Instructions

PET fibres do not provide a breeding ground for bacteria and other germs. The dyed-through fibres do not bleach out even when using aggressive cleaning agents and disinfectants. Alcohols, aldehydes or active chlorine can be used for cleaning.

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.

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ARCHISONIC®
Material

Matching NCS Colour Codes

Developed by Colour Hive

Quiet Neutrals	500	103	442	108	542	444	550	107	920
NCS Code	S 0300-N	S 1002-B	S 3005-R80B	S 5005-Y20R	S 7502-B	S 4500-N	S 8500-N	S 1505-Y30R	S 3010-Y30R
Warm Naturals	105	404	102	516	239	724	107	920	139
NCS Code	S 3010-Y50R	S 0502-Y	S 0510-R30B	S 2020-Y90R	S 4040-Y70R	S 5040-R10B	S 1505-Y30R	S 3010-Y30R	S 2050-Y20R
Living Greens	706	712	439	311	317				
NCS Code	S 1010-B90G	S 3020-B30G	S 2040-G40Y	S 5030-G10Y	S 7020-G30Y				
Elemental Blues	304	410	864	432	810	918			
NCS Code	S 0510-B	S 2020-R90B	S 4050-R70B	S 3040-B	S 7020-R70B	S 5020-R90B			
Soothing Pastels	102	516	304	410	706	712			
NCS Code	S 0510-R30B	S 2020-Y90R	S 0510-B	S 2020-R90B	S 1010-B90G	S 3020-B30G			
Elegant Darks	724	846	810	311	550				
NCS Code	S 5040-R10B	S 4050-R70B	S 7020-R70B	S 5030-G10Y	S 8500-N				
Energetic Brights	432	439	846	464	140	540			
NCS Code	S 3040-B	S 2040-G40Y	S 1040-Y10R	S 0580-Y70R	S 2060-R20B	S 5040-R40B			
Primary Play	500	542	846	662	864				
NCS Code	S 0300-N	S 7502-B	S 1040-Y10R	S 1080-R	S 4050-R70B				

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

Colour fastness

Class 6

ISO 105-B02:A1

Colour and surface deviation

ARCHISONIC® is manufactured to the highest quality standards, but slight colour and surface variations caused by the high percentage of recycled fibers are an unavoidable part of the product characteristics and do not claim warranty. Please request a free sample box to verify the colours.

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ARCHISONIC®
Material

Light Reflection

Hochschule Luzern – Institut für Gebäudetechnik | Energie

HSLU Hochschule Luzern

Quiet Neutrals	500	103	442	108	542	444	550
Reflectance ρ	**61.9%**	**51.4%**	**34.6%**	**22.5%**	**6%**	**7.9%**	**2.6%**
Warm Naturals	105	404	102	516	239	724	
Reflectance ρ	**27.5%**	**59.3%**	**55.2%**	**34.1%**	**10.3%**	**4.1%**	
Living Greens	706	712	439	311	317		
Reflectance ρ	**51.7%**	**27.7%**	**33.2%**	**10.3%**	**9.6%**		
Elemental Blues	304	410	864	432	810		
Reflectance ρ	**60%**	**32%**	**9.5%**	**15.2%**	**3.7%**		
Soothing Pastels	102	516	304	410	706	712	
Reflectance ρ	**55.2%**	**34.1%**	**60%**	**32%**	**51.7%**	**27.7%**	
Elegant Darks	724	846	810	311	550		
Reflectance ρ	**4.1%**	**9.7%**	**3.7%**	**10.3%**	**2.6%**		
Energetic Brights	432	439	846	464	140	540	
Reflectance ρ	**15.2%**	**33.2%**	**44.3%**	**26.8%**	**12.2%**	**5.5%**	
Primary Play	500	542	846	662	864		
Reflectance ρ	**61.9%**	**6%**	**44.3%**	**12.5%**	**9.5%**		

Sustainability

CERTIFIED cradle to cradle BRONZE

UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION UL.COM/EPD

U.S. GREEN BUILDING COUNCIL MEMBER

LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN LEED

eco 1 ecobau Cert.

CERTIFIED RECYCLED CONTENT SCS GLOBAL SERVICES
MINIMUM 60% RECYCLED CONTENT POST-CONSUMER

Supported by eit Climate-KIC

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

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#We MakeAn Impact

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