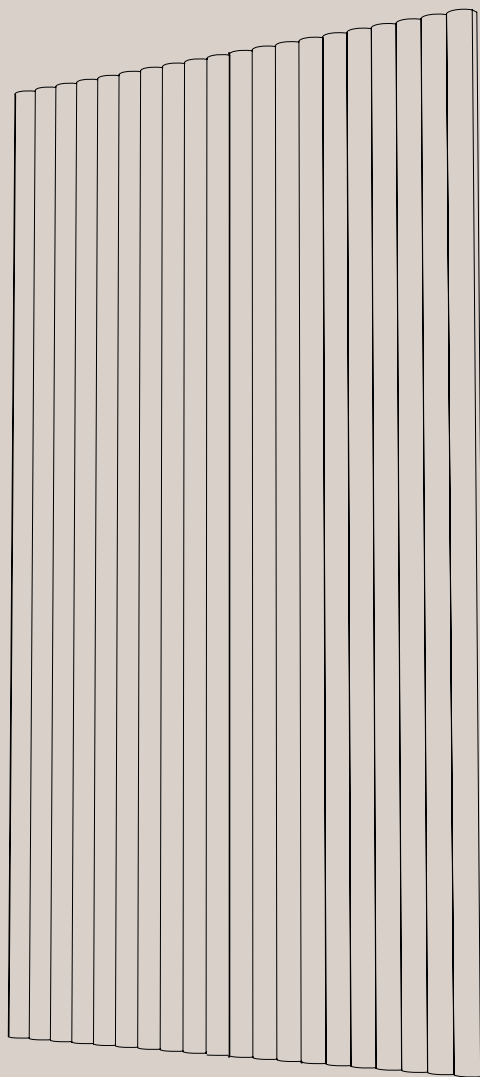


IMPACT ACOUSTIC®



PALLADIO

Volumetric Wall Covering

713.12.14.000.00

TECHNICAL DATA SHEET

PALLADIO Volumetric Wall Covering

General Information



Data

Applicable article numbers

713.12.14.000.00

Single element dimensions¹

Width	762 mm	30"	
Height	2800 mm	110"	
Thickness	55 mm	2 1/8"	(without substructure)

Material

Panel	100% PET (60% post-consumer) in 36 colours and 33 Riftcut textures.		
Substructure Profiles	Aluminium anodized black		

Weight²

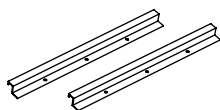
Panel	14kg (±10%)	30.8 lbs (±10%)	(without substructure)
Substructure Profiles	0.5kg (±10%)	1.1 lbs (±10%)	(weight of four profiles)

Included

Palladio Panel



Mounting
Z-Clip profiles
(2 pieces)



Installation
Guide



Warranty
10 years³



1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

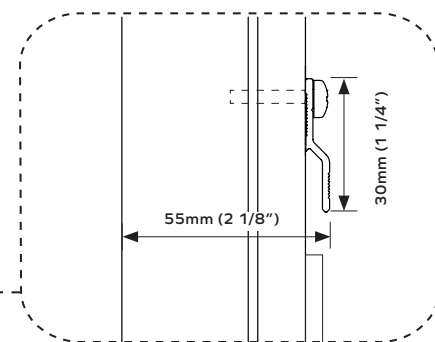
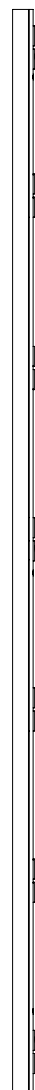
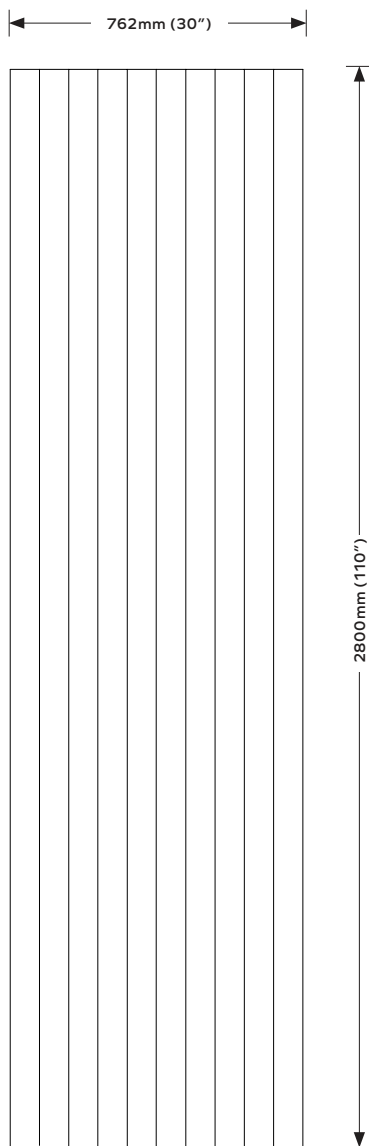
PALLADIO Volumetric Wall Covering

Geometry Information ¹

713.12.14.000.00

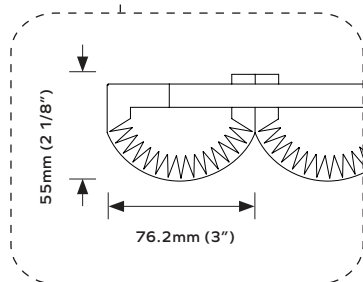
FRONT

SIDE



Z-Clip profile on the back of the panel. Z-Clip needs to be installed on top of the extension tabs.

TOP



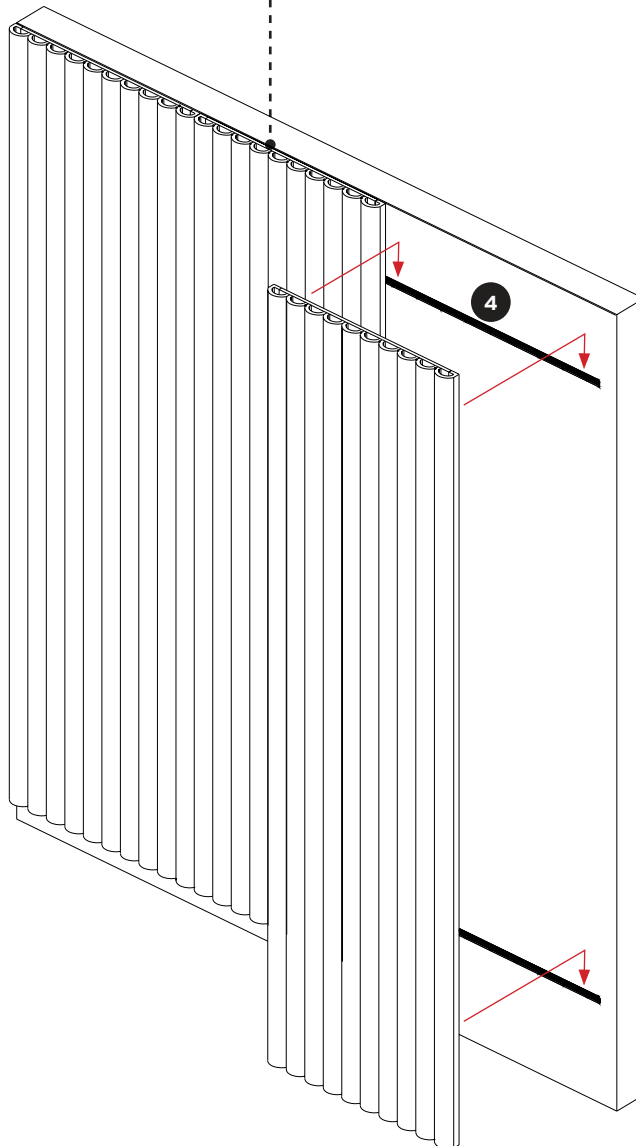
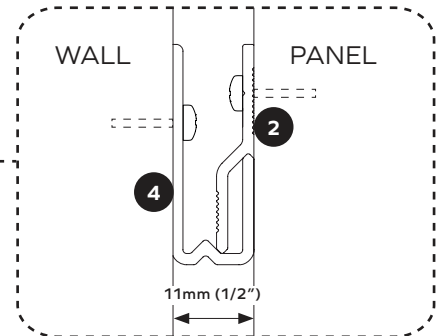
1 - all dimensions are nominal

PALLADIO volumetric Wall Covering

Installation Overview

1 Installation using aluminium profiles.

Palladio panels can be dry mount on the wall using aluminium profiles as shown below. Please consult Assembly and Installation Guide or contact our consultants for more information.













- 2 938.12.20.000.00.CUT Mounting Z-Clip 600mm profiles










OPTIONAL ITEM

- 4 C00091 Aluminium Wall Mount Profile.










ARCHISONIC® Felt Colours

 Material brochure available

									
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	S2502-Y	S 3005-R80B	S 5005-Y20R	S 7502-B	S 4500-N	S 8500-N

									
Name	Nordic Pine	Grove	Fern	Moss	Spearmint	Ice Blue	Succulent	Deep Sea	True Navy
Code	311	317	180	439	706	304	712	918	194
NCS	S 5030-G10Y	S 7020-G30Y	S6010-G90Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S8005-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	S4005-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

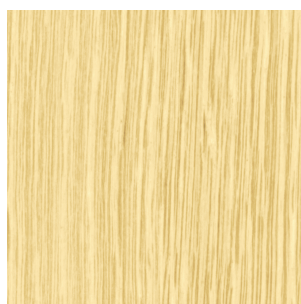
Riftcut Natural Collection (NC) is a natural wood shade extension to our bestselling Riftcut. Developed in collaboration with German veneer specialists Schotten & Hansen, ARCHISONIC® Riftcut NC introduces 3 different colour groups: elegant brights, essential mids and classical darks.



ELEGANT BRIGHTS



240 Pebble



241 Sunlit



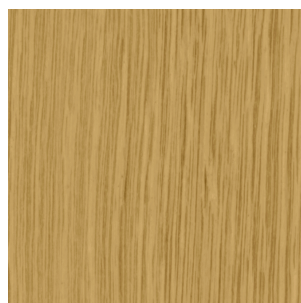
242 Blush



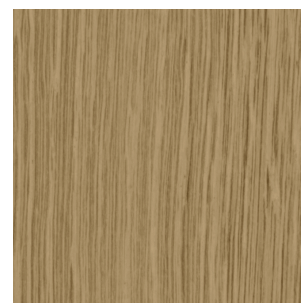
ESSENTIAL MIDS



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 (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 Bream® (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



PALLADIO Volumetric Wall Covering

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

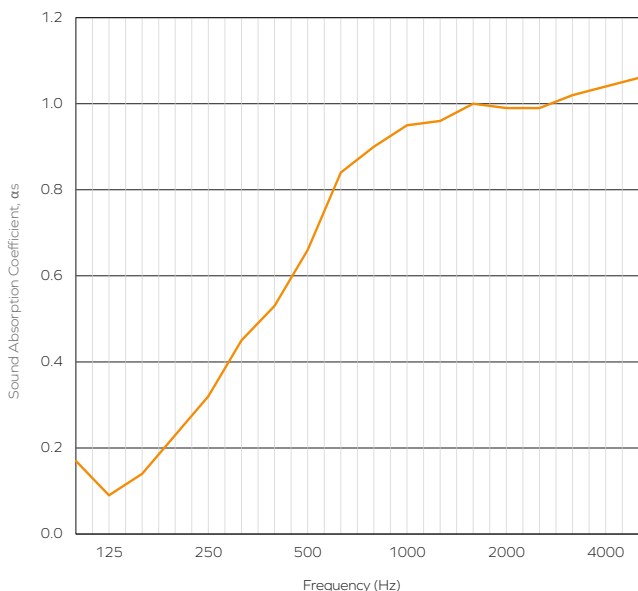
Acoustic Test Results

	α_w	SAA	NRC
Palladio	0.65 (MH)	0.74	0.75

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
Palladio	α_p	0.15	0.35	0.70	0.95	1.00	1.00



● Palladio

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.

PALLADIO Volumetric Wall Covering

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

14-21 days



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.



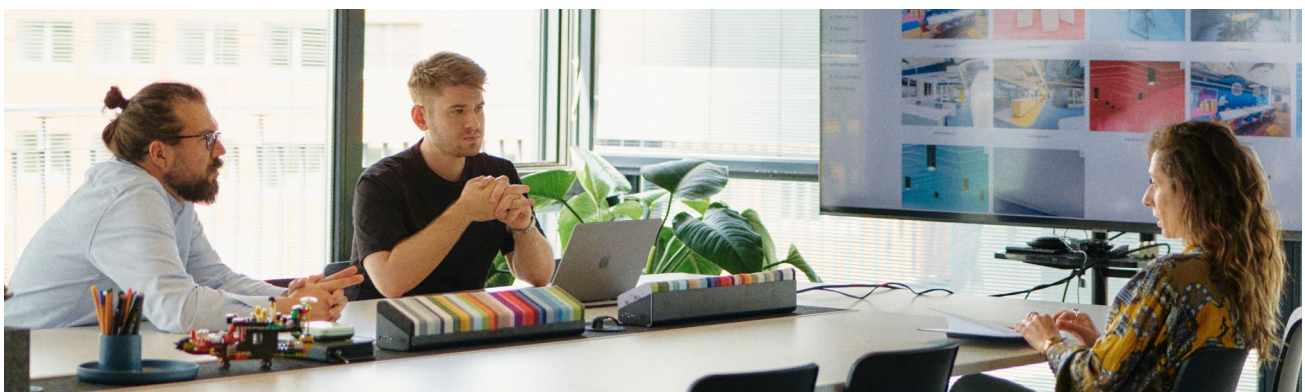
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

**#We
Make An
Impact**

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