12 mm PET Panel

BY AKUSTUS DESIGNS

AKUSTUS ®
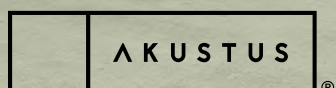
Dimensions

Thickness: **12 mm** (0.5 in)

* Custom shape and size available.
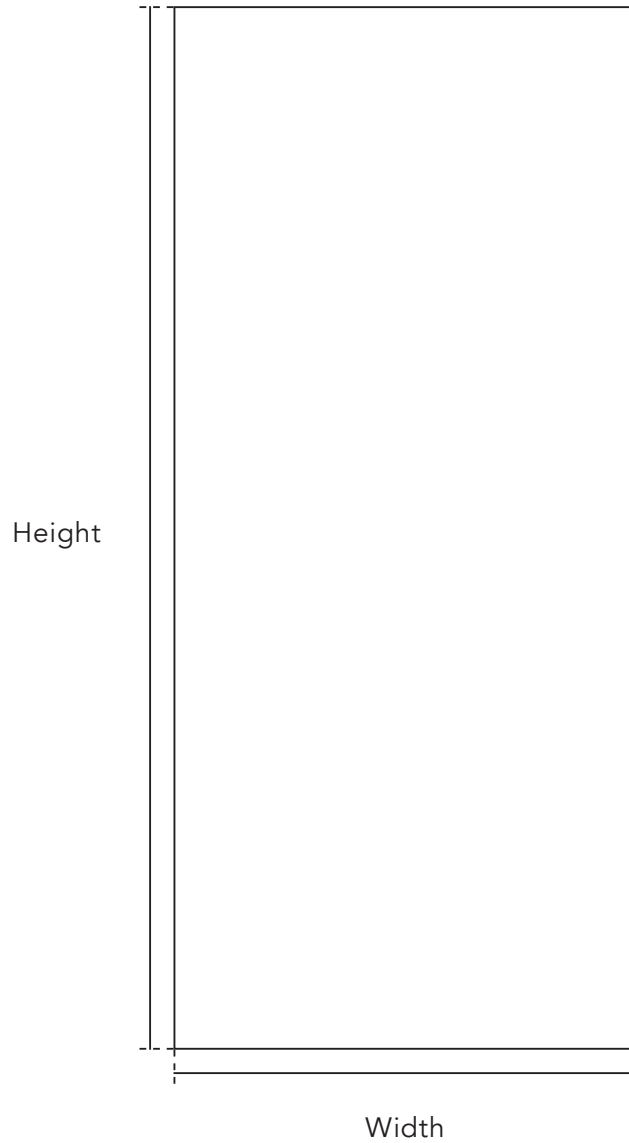
Height

Width

Product Data

Product Code	Width x Height	Thickness	Weight
SRZ-PN-122-274-012	1220 x 2745 mm 48 x 108.1 in	12 mm 0.5 in	8.4 kg 18.5 lb

Specifications

Product Name	12 mm PET Panel
Composition	100% polyester fibre
Edge Detail	Square / chamfered edge

Fire Rating

- ASTM E84 Class A
- CAN/ULC-S102.2-10

VOC Emissions CDPH (CA 01350)

Antimicrobial Testing Mould & mildew resistant

Sustainability

- 100% recyclable
- LBC Red List free
- Contributes to LEED certification
- Free of toxic substances and of off-gassing
- Made with ~60% recycled content from plastic water bottles

How to Specify

- Product Name & Code
- Dimensions
- Colour
- Installation Method

Colour & Texture Variations

The felting and dyeing process that forms the material contributes to its unique texture but also to variations in texture and colour from panel to panel. Products will be provided within an acceptable range of variation.

Declare.

Akustus PET Acoustic Panel
Akustus Industries Inc.

Final Assembly: Vancouver, British Columbia, Canada
Life Expectancy: 10+ Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)
EU CoC Screened: Contains

Ingredients:

Unnamed Material: Polyethylene Terephthalate, Octadecanamide, N,N'-1,2-ethanediylbis-, Stearic Acid, Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester, Titanium dioxide

† SIN List present > 100ppm

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free   % Disclosed: 100% at 100ppm
□ LBC Red List Approved   VOC Content: Not Applicable
□ Declared

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

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Acoustic Properties

The following values reflect the acoustic properties of the product as tested in accordance with ASTM C423-09a using Type A, Type D-25 and Type D-50 mounting.
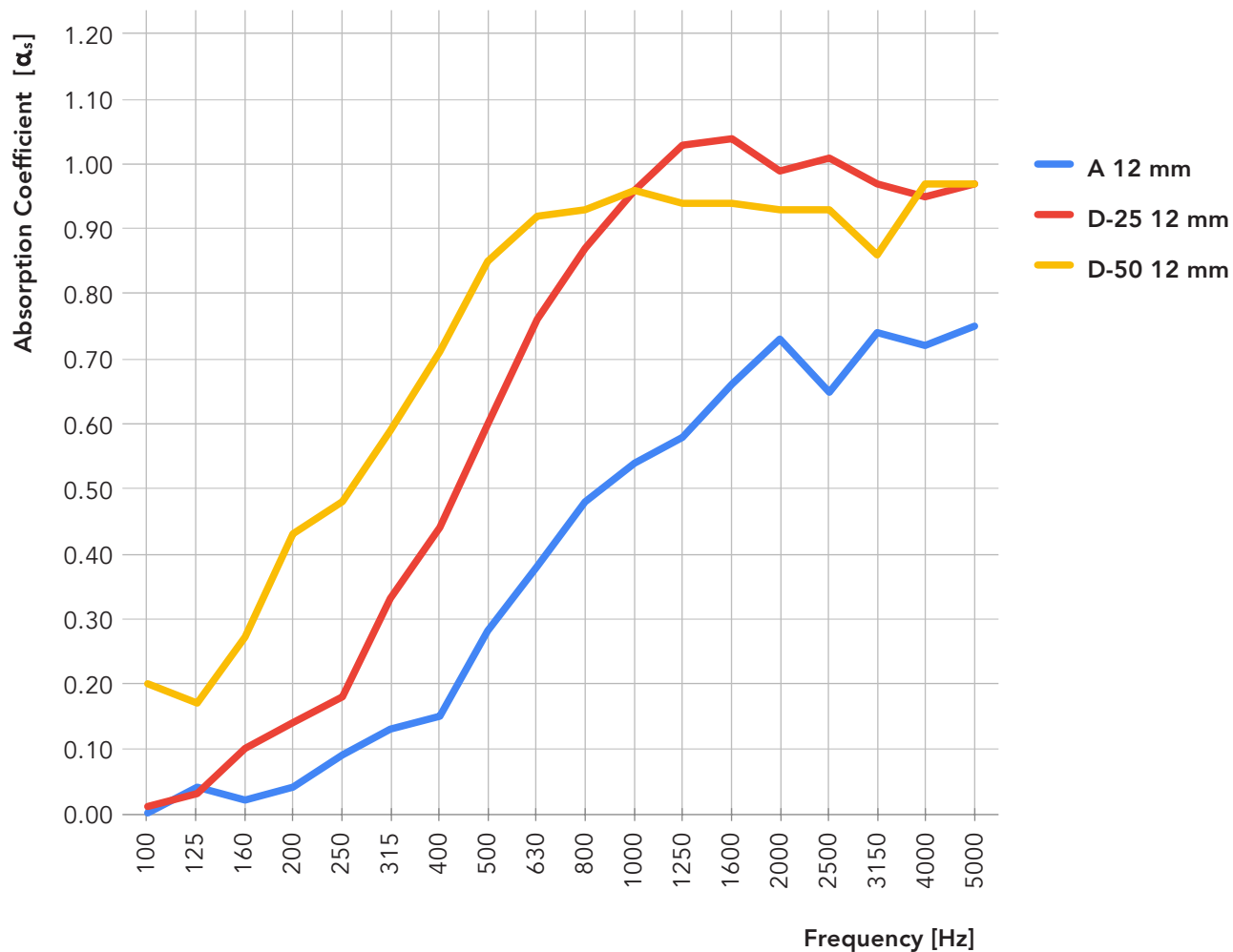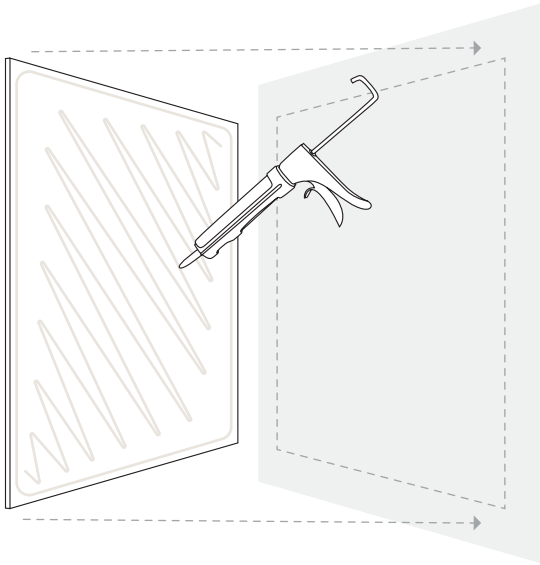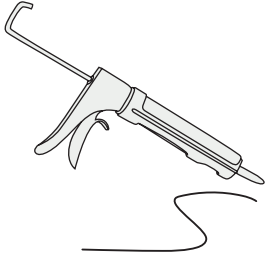

	NRC	SAA	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
A 12 mm	0.40	0.39	0.04	0.09	0.13	0.15	0.28	0.38	0.48	0.54	0.58	0.66	0.73	0.65
D-25 12 mm	0.70	0.70	0.14	0.18	0.33	0.44	0.60	0.76	0.87	0.96	1.03	1.04	0.99	1.01
D-50 12 mm	0.80	0.80	0.43	0.48	0.59	0.71	0.85	0.92	0.93	0.96	0.94	0.94	0.93	0.93

Installation

Specify one of the following options at the time of ordering.

Construction Adhesive	Z-clips (KT-ZCLP-00)

- By others

Recommendation

- Liquid Nails Heavy Duty (Low VOC) LN-903

Alternatives

- LePage PL Premium
- LePage PL Premium Max
- LePage No More Nails Heavy Duty
- LePage No More Nails Ultimate Crystal Clear
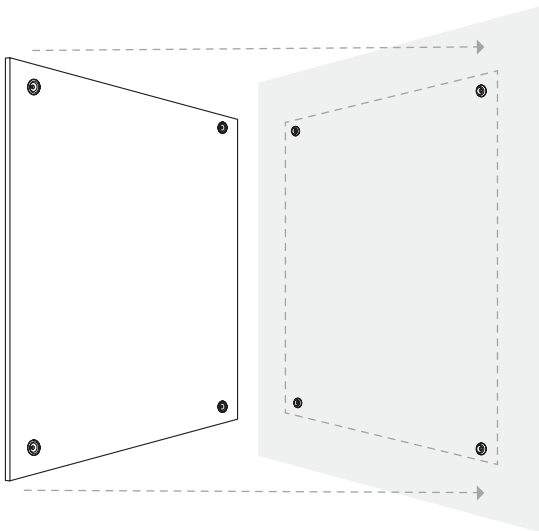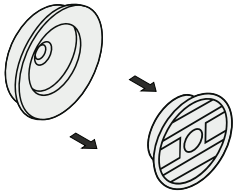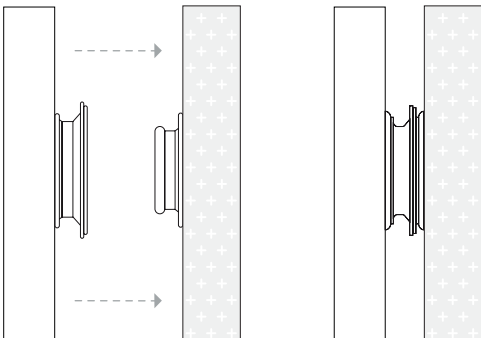- (At your discretion, other construction adhesive may be used but should be tested for effectiveness)
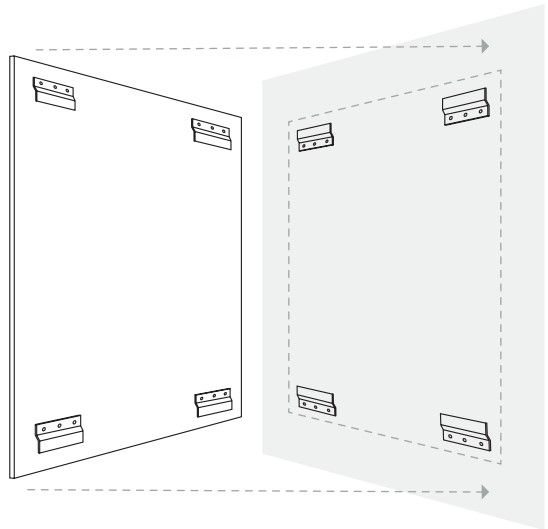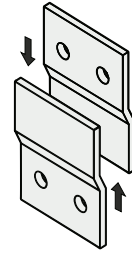
- 6 mm (¼ in) projection from the wall
- 25 mm (1 in) clearance required above the panel

25 mm

6 mm
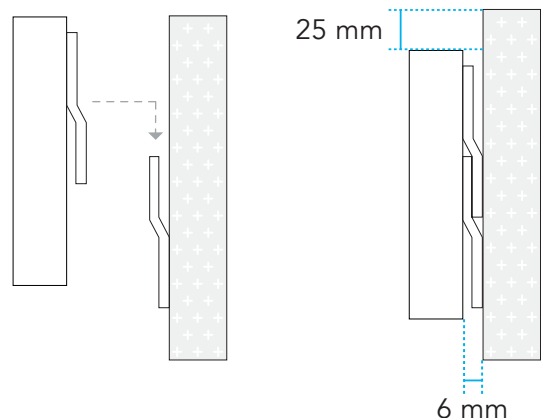
Push Mounts (KT-PUSH-00)

Concealed Mechanical Fasteners (KT-CCAP-00)

- Panels come with mounts pre-installed but receiving mount must be installed on-site
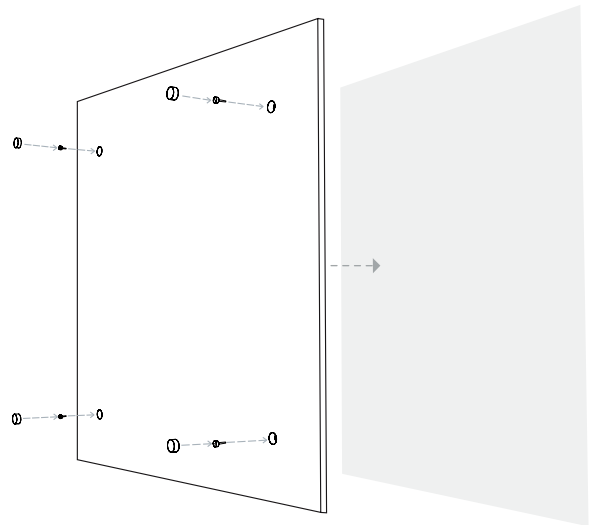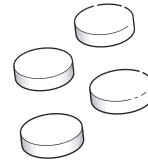
Concealer Caps
- Provided in matching colour & material as panel

Mechanical Fasteners
- By others
- Optional: construction adhesive can be applied for more robust & permanent installation

Product Care

Handling & Storage

Handle products with care so as to avoid folding the polyester felt, chipping its edges or indenting its faces. Store products in their original containers in a well-ventilated area until the intended application environment is ready for installation. Allow products to acclimatize to environmental conditions. Lay them flat on their faces; do not stand them on their edges. Protect from moisture, heat, direct sunlight and the elements.

Maintenance

Lightly brush or gently vacuum to remove dust from polyester felt. Clean with warm water and mild, non-toxic soap to remove spills. Test solution on an inconspicuous spot before applying to more visible areas. Blot with a dry cloth after applying the solution to avoid saturating the material. Avoid applying too much pressure when cleaning the products.

Warranty

AKUSTUS warrants the construction and finish of all our products to be free from defects in material and workmanship for a period of 1 year from the date of purchase.

Colours

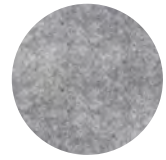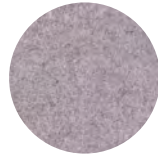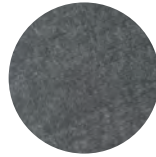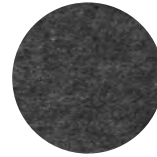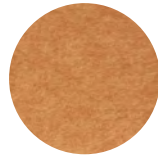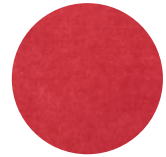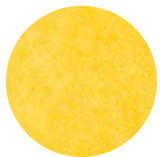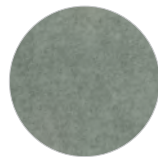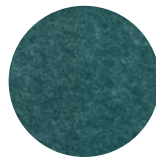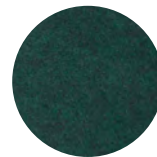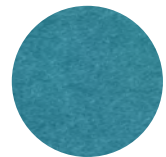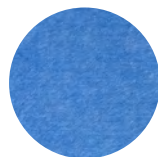|					
Pure White SP 07	Krypton SP 30	Urban Grey SP 79	Pumice SP 11	Warm Grey SP 76	Cool Grey SP 36
Ivory SP 77	Beige SP 04	**NEW** Castlerock SP 80	Mid Grey SP 37	Graphite SP 03	Black SP 13
Sandstone SP 12	Orange SP 46	Yam SP 28	Wild Currant SP 48	Plum SP 72	Red SP 08
Sunflower SP 05	Chartreuse SP 43	Desert Sage SP 78	**NEW** Peacock SP 82	Forest Green SP 17	Dark Turquoise SP 71
Aquamarine SP 73	Pale Teal SP 74	Sky Blue SP 25	Navy SP 01	Midnight Blue SP 19	Purple SP 50