



This wood veneer acoustical panel by Woodzco is part of the ELEMENT collection and consists of a system that combines refined aesthetics, versatile modularity and simplified installation.

With twenty-one (21) possible configurations and four (4) standard wood veneer species available in 8-foot length, this collection is designed to meet the needs of the most demanding creative projects.

Manufactured in Canada to the highest industry standards, with a strong commitment to acoustic performance and tailor-made solutions.

Key features

- » An ideal choice for residential, commercial, and institutional projects
- » Pre-assembled rigid panels engineered for simplified on-site installation
- » Designed for interior installation on walls and ceilings
- » Four standard wood veneer species
- » Customization available for all components
- » Optional finishing trims available



CAN/ULC S102 FS1 < 25 SD1 < 50
ASTM E-84 CLASS A



ACOUSTICS NRC < 0.90

Specifications

WOOD VENEER SPECIES	Standard wood veneer: Cherry (flat cut), Maple (flat cut), Walnut (flat cut) and White Oak (rift cut)
PANEL SIZES	· Standard 8-foot length panel : 12" x 95" (305 mm x 2 413 mm). Available in 9' (107") & 10' (119") lengths
ASSEMBLY	Pre-assembled and delivered with flat and/or notched wood backers
WOOD BLADES	· Various standard sizes available (refer to the configuration chart) · Available with premium matte oil finish, clear or colored and/or clear satin varnish
WOOD BACKERS	· Birch plywood (white, black, or natural finish). Custom colors available (conditions apply) · 1/2" thickness (13 mm) · Assembled at 12" c/c (305 mm)
CUSTOMIZATION	*Custom options available (minimum order of 400 sq.ft.)

Technical data

FIRE PERFORMANCE	· CAN/ULC S102 (FSI < 25; SDI < 50) · ASTM E-84 (Class A)
ACOUSTICS	· Acoustic options available to suit project requirements · Noise reduction coefficient (NRC) up to 0.90 (conditions apply) · Refer to the acoustic chart
ENVIRONMENT	· LEED v5 · FSC certification available · No added formaldehyde (NAF) product available
USE	For interior uses only
SHIPPING	Woodzco products are carefully packaged at the factory and shipped in bulk on wooden pallets
SITE CONDITIONS	· Wood products are naturally hygroscopic and must be stored flat, installed, and maintained in a controlled indoor environment · Temperature: maintain between 50 °F and 86 °F (10 °C and 30 °C) · Relative humidity: maintain between a minimum of 25 % and a maximum of 55 % (with no more than 20 % difference between maximum and minimum) Failure to comply with one or more of these on-site conditions will void Woodzco's limited warranty
WARRANTY	Three (3) year warranty on all Woodzco products. Please refer to Woodzco's limited warranty on our website for full details

LEED V5	RECYCLED CONTENT: UP TO 65%
MATERIALS AND RESSOURCES (MR)	INDOOR ENVIRONMENTAL QUALITY (IEQ)
MRc3 Low Emitting Materials ✓	EQc2 Occupant Experience ✓
VOC Emissions (CDPH) ✓	Option 1 Biophilic ✓
Formaldehyde Emissions (CARB) ✓	Path 1 Integrated Biophilic Design ✓
	Option 4 Sound Environment ✓
	Third parties CDPH ✓
	Pre-consumer Recycled ✓



ACOUSTICAL PROPERTIES

VERTICAL BLADES

Simulation #	Panel Sizes	Qty of blades	Blade Width	Blade Height	Space between blades	OA %	NRC								
								62.5	125	250	500	1000	2000	4000	8000
1	12" x 95"	4	3/4"	2-1/2"	2-1/4"	0.75	0.89	0.35	0.81	1.0	1.0	1.0	0.95	0.52	0.17
2	12" x 95"	4	3/4"	3"	2-1/4"	0.75	0.84	0.38	0.82	1.0	1.0	1.0	0.77	0.42	0.14
3	12" x 95"	4	3/4"	3-1/2"	2-1/4"	0.75	0.79	0.38	0.82	1.0	1.0	1.0	0.62	0.33	0.11
4	12" x 95"	4	3/4"	4"	2-1/4"	0.75	0.75	0.36	0.82	1.0	1.0	1.0	0.50	0.26	0.09
5	12" x 95"	5	3/4"	2-1/2"	1-5/8"	0.68	0.86	0.38	0.82	1.0	1.0	1.0	0.85	0.45	0.15
6	12" x 95"	5	3/4"	3"	1-5/8"	0.68	0.80	0.38	0.82	1.0	1.0	1.0	0.65	0.35	0.11
7	12" x 95"	5	3/4"	3-1/2"	1-5/8"	0.68	0.76	0.38	0.82	1.0	1.0	1.0	0.52	0.28	0.09
8	12" x 95"	5	3/4"	4"	1-5/8"	0.68	0.73	0.38	0.83	1.0	1.0	1.0	0.42	0.22	0.07
9	12" x 95"	6	3/4"	1-1/2"	1-1/4"	0.63	0.91	0.38	0.80	1.0	1.0	1.0	1.00	0.55	0.18
10	12" x 95"	6	3/4"	2"	1-1/4"	0.63	0.90	0.38	0.80	1.0	1.0	1.0	0.98	0.53	0.17
11	12" x 95"	6	3/4"	2-1/2"	1-1/4"	0.63	0.83	0.37	0.82	1.0	1.0	1.0	0.76	0.41	0.13
12	12" x 95"	6	3/4"	3"	1-1/4"	0.63	0.78	0.37	0.82	1.0	1.0	1.0	0.58	0.31	0.10
13	12" x 95"	6	3/4"	3-1/2"	1-1/4"	0.63	0.74	0.37	0.82	1.0	1.0	1.0	0.46	0.25	0.08
14	12" x 95"	6	3/4"	4"	1"	0.50	0.72	0.37	0.82	1.0	1.0	1.0	0.38	0.20	0.07
15	12" x 95"	6	1"	1-1/2"	1"	0.50	0.91	0.37	0.80	1.0	1.0	1.0	1.00	0.55	0.18
16	12" x 95"	6	1"	2"	3/4"	0.50	0.83	0.37	0.80	1.0	1.0	1.0	0.74	0.40	0.13
17	12" x 95"	8	3/4"	1-1/2"	3/4"	0.50	0.91	0.37	0.80	1.0	1.0	1.0	1.00	0.55	0.18
18	12" x 95"	8	3/4"	2"	3/4"	0.50	0.83	0.37	0.80	1.0	1.0	1.0	0.74	0.40	0.13

Table 1. Acoustic performance with random incidence for ELEMENT panel with vertical blades. The noise reduction coefficient (NRC) is expressed in corrected simulated values with an E-400 setup using 1-inch acoustic material.

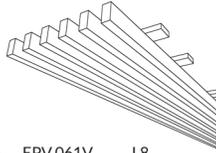
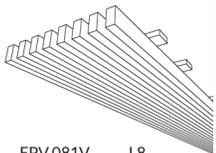
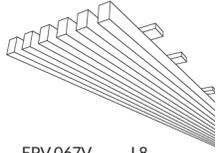
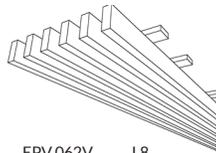
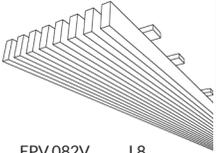
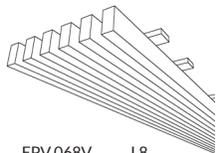
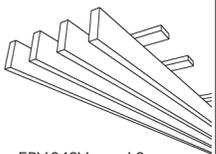
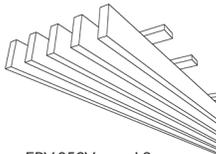
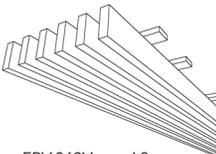
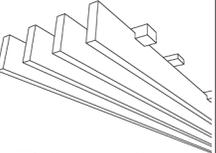
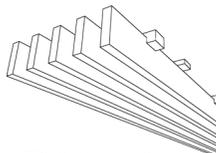
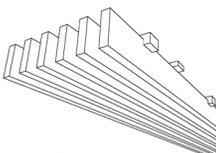
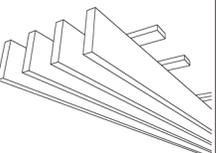
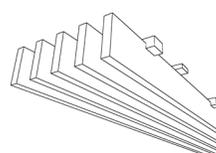
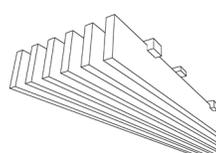
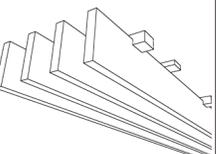
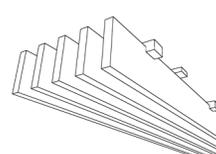
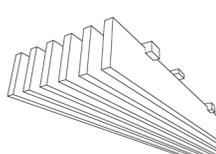
HORIZONTAL BLADES

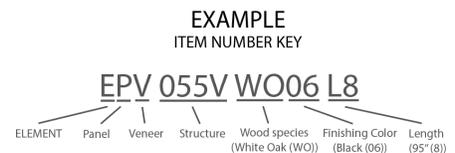
Simulation #	Panel Sizes	Qty of blades	Blade Width	Blade Height	Space between blades	OA %	NRC								
								62.5	125	250	500	1000	2000	4000	8000
19	12" x 95"	3	3-1/2"	3/4"	1/2"	0.125	0.69	0.38	0.85	1.0	1.0	1.0	0.27	0.20	0.13
20	12" x 95"	4	2-1/2"	3/4"	1/2"	0.17	0.77	0.37	0.80	1.0	1.0	1.0	0.53	0.33	0.12
21	12" x 95"	6	1-1/2"	3/4"	1/2"	0.25	0.88	0.38	0.80	1.0	1.0	1.0	0.90	0.51	0.12

Table 2. Acoustic performance with random incidence for ELEMENT panel with horizontal blades. The noise reduction coefficient (NRC) is expressed in corrected simulated values with an E-400 setup using 1-inch acoustic material.

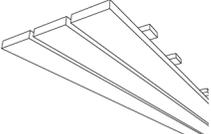
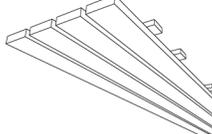
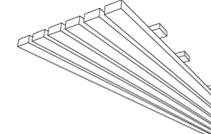
CONFIGURATIONS

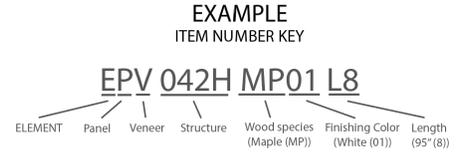
VERTICAL BLADES (12" panel width)

		3/4" blade width				1" blade width
		4 blades per panel	5 blades per panel	6 blades per panel	8 blades per panel	6 blades per panel
1-1/2" blade height				 <p>• EPV061V ___ L8</p>	 <p>• EPV081V ___ L8</p>	 <p>• EPV067V ___ L8</p>
	2" blade height			 <p>• EPV062V ___ L8</p>	 <p>• EPV082V ___ L8</p>	 <p>• EPV068V ___ L8</p>
2-1/2" blade height		 <p>• EPV043V ___ L8</p>	 <p>• EPV053V ___ L8</p>	 <p>• EPV063V ___ L8</p>		
	3" blade height	 <p>• EPV044V ___ L8</p>	 <p>• EPV054V ___ L8</p>	 <p>• EPV064V ___ L8</p>		
3-1/2" blade height		 <p>• EPV045V ___ L8</p>	 <p>• EPV055V ___ L8</p>	 <p>• EPV065V ___ L8</p>		
	4" blade height	 <p>• EPV046V ___ L8</p>	 <p>• EPV056V ___ L8</p>	 <p>• EPV066V ___ L8</p>		



HORIZONTAL BLADES (12" panel width)

	3-1/2" blade width	2-1/2" blade width	1-1/2" blade width
	3 blades per panel	4 blades per panel	6 blades per panel
3/4" blade height			
	EPV 033H ___ L8	EPV 042H ___ L8	EPV 065H ___ L8



CONFIGURATIONS

VERTICAL BLADES

PRODUCT CODE	BLADES	WOOD BLADE SIZES		SPACE BETWEEN BLADES		OPEN AREA	PANEL THICKNESS		AVERAGE WEIGHT	
		MM	INCHES	MM	INCHES		MM	INCHES	KG/SF	LBS/SF
EPV 043V ___ L8	4	19 x 64	3/4 x 2-1/2	57	2-1/4	75	76	3	1.22	2.7
EPV 044V ___ L8	4	19 x 76	3/4 x 3	57	2-1/4	75	89	3-1/2	1.45	3.2
EPV 045V ___ L8	4	19 x 89	3/4 x 3-1/2	57	2-1/4	75	102	4	1.68	3.7
EPV 046V ___ L8	4	19 x 102	3/4 x 4	57	2-1/4	75	114	4-1/2	1.91	4.2
EPV 053V ___ L8	5	19 x 64	3/4 x 2-1/2	67	1-5/8	69	76	3	1.50	3.3
EPV 054V ___ L8	5	19 x 76	3/4 x 3	67	1-5/8	69	89	3-1/2	1.81	4.0
EPV 055V ___ L8	5	19 x 89	3/4 x 3-1/2	67	1-5/8	69	102	4	2.09	4.6
EPV 056V ___ L8	5	19 x 102	3/4 x 4	67	1-5/8	69	114	4-1/2	2.36	5.2
EPV 061V ___ L8	6	19 x 38	3/4 x 1-1/2	32	1-1/4	45	51	2	1.63	3.6
EPV 062V ___ L8	6	19 x 51	3/4 x 2	32	1-1/4	45	64	2-1/2	1.72	3.8
EPV 063V ___ L8	6	19 x 64	3/4 x 2-1/2	32	1-1/4	63	76	3	1.81	4.0
EPV 064V ___ L8	6	19 x 76	3/4 x 3	32	1-1/4	63	89	3-1/2	2.13	4.7
EPV 065V ___ L8	6	19 x 89	3/4 x 3-1/2	32	1-1/4	63	102	4	2.49	5.5
EPV 066V ___ L8	6	19 x 102	3/4 x 4	32	1-1/4	63	114	4-1/2	2.81	6.2
EPV 067V ___ L8	6	25 x 38	1 x 1-1/2	25	1	45	51	2	1.72	3.8
EPV 068 V ___ L8	6	25 x 51	1 x 2	25	1	45	64	2-1/2	1.81	4.0
EPV 081 V ___ L8	8	19 x 38	3/4 x 1-1/2	19	3/4	50	51	2	1.81	4.0
EPV 082V ___ L8	8	19 x 51	3/4 x 2	19	3/4	50	64	2-1/2	1.90	4.2

HORIZONTAL BLADES

PRODUCT CODE	BLADES	WOOD BLADE SIZES		SPACE BETWEEN BLADES		OPEN AREA	PANEL THICKNESS		AVERAGE WEIGHT	
		MM	INCHES	MM	INCHES		MM	INCHES	KG/SF	LB/SF
EPV 033H ___ L8	3	89 x 19	3-1/2 x 3/4	13	1/2	13	31	1-1/4	1.27	2.8
EPV 042H ___ L8	4	64 x 19	2-1/2 x 3/4	13	1/2	17	31	1-1/4	1.22	2.7
EPV 065H ___ L8	6	38 x 19	1-1/2 x 3/4	13	1/2	25	31	1-1/4	1.63	3.6

INSTALLATION

Refer to the installation guide for complete details.

ACCESSORIES

ACOUSTIC MATERIAL

PRODUCT CODE	WIDTH		THICKNESS		COLOR
ITEM	MM	INCHES	MM	INCHES	FINISHING
TSF 06N L8	305	12	6.4	1/4	Black

FLAT WOOD BACKER

PRODUCT CODE	WIDTH		THICKNESS		COLOR
ITEM	MM	INCHES	MM	INCHES	FINISHING
EAS 01FB PW06 L1	305	12	13	1/2	Black
EAS 01FB PW01 L1	305	12	13	1/2	White
EAS 01FB PW00 L1	305	12	13	1/2	Natural

NOTCHED WOOD BACKER

PRODUCT CODE	WIDTH		THICKNESS		COLOR
ITEM	MM	INCHES	MM	INCHES	FINISHING
EAS 01NB PW06 L1	305	12	25	1	Black
EAS 01NB PW01 L1	305	12	25	1	White
EAS 01NB PW00 L1	305	12	25	1	Natural

FINISHING

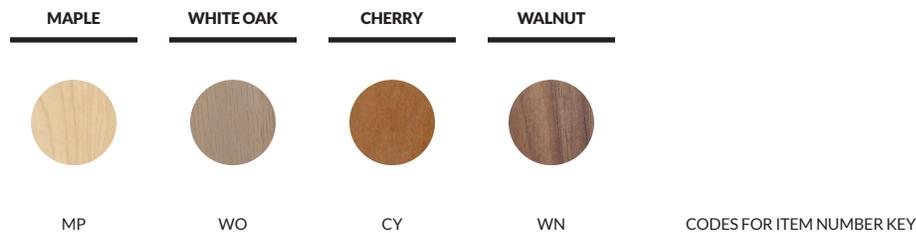
Oil Colors

Available in six (6) standard colors with a premium matte oil finish and/or clear satin varnish, with custom options available*



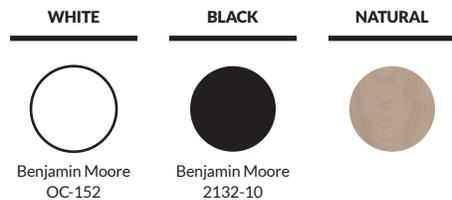
Wood Veneer Species

Available in four (4) standard wood veneer species, with additional wood species available upon request*



Wood Backer Colors

Available in three (3) standard colors, with custom options available*



Finishing Wood Color

1. Maple and White Oak are available in six (6) standard colors: Natural (00), White (01), Gray (02), Medium Brown (03), Dark Brown (04) and Black (06)
2. Cherry and Walnut are only available in Natural (00)

Panel length

Available in one (1) standard length (L): 95" (8), but also available in 107" (9) & 119" (10). Certain conditions apply.

Disclaimer: A single sample may not accurately represent the full range of natural variations that can be expected. Due to the inherent properties and characteristics of wood, these samples should be considered an approximation of the effect that may be achieved. Some wood species exhibit greater natural appearance variations than others. We have made every effort to make the colors as accurate as possible. Please allow a tolerance of 1/16" in the actual dimensions of all our products. Due to continual product improvement, the information contained in this document is subject to change without notice. Woodzco assumes no responsibility for any errors or omissions that may have occurred inadvertently in this document.

* For further information, contact your Woodzco representative. Certain conditions apply.