



This solid wood acoustical tile by Woodzco is part of the ELEMENT collection that combines design, warmth, and modularity to enhance any space.

With two (2) possible configurations and six (6) standard wood species available in 2- and 4-foot lengths, 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 tiles engineered for simplified on-site installation
- » Installed on a suspended ceiling in a new construction or renovation project
- » Designed for installation in a standard suspended ceiling grid system (i.e. 15/16in)
- » Six standard species of solid wood
- » Customization available for all components
- » Optional finishing trims available



CAN/ULC S102 FS1 < 150 SDI < 450  
ASTM E-84 CLASS C



ACOUSTICS NRC < 1.00

### Specifications

<b>SOLID WOOD SPECIES</b>	Standard solid wood: Aspen (flat cut), Birch (flat cut), Maple (rift cut), Walnut (flat cut), White Ash (flat cut) and White Oak (rift cut)
<b>TILE SIZES</b>	<ul style="list-style-type: none"> <li>2-foot length panel: 24" x 24" (610 mm x 610 mm)</li> <li>4-foot length panel: 24" x 48" (610 mm x 1 220 mm)</li> </ul>
<b>ASSEMBLY</b>	Pre-assembled and delivered with flat wood backers
<b>WOOD BLADES</b>	<ul style="list-style-type: none"> <li>Various standard sizes available (refer to the configuration chart)</li> <li>Available with a premium matte oil finish, clear or colored and/or a clear satin varnish</li> </ul>
<b>WOOD BACKERS</b>	<ul style="list-style-type: none"> <li>Birch plywood (white, black, or natural finish). Custom colors available (conditions apply)</li> <li>1/2" thickness (13 mm)</li> </ul>
<b>CUSTOMIZATION</b>	*Custom options available (minimum order of 400 sq.ft.)

### Technical data

<b>FIRE PERFORMANCE</b>	<ul style="list-style-type: none"> <li>CAN/ULC S102 (FSI &lt; 150; SDI &lt; 450). Also available: FSI&lt;25, some conditions apply*</li> <li>ASTM E-84 (Class C). Also available: Class A, some conditions apply*</li> </ul>
<b>ACOUSTICS</b>	<ul style="list-style-type: none"> <li>Acoustic options available to suit project requirements</li> <li>Noise Reduction Coefficient (NRC) up to 1.00 (conditions apply)</li> <li>Refer to the acoustic chart</li> </ul>
<b>ENVIRONMENT</b>	<ul style="list-style-type: none"> <li>LEED v5</li> <li>FSC certification of the product available upon request only</li> </ul>
<b>USE</b>	For interior uses only
<b>SHIPPING</b>	Woodzco products are carefully packaged at the factory and shipped in bulk on wooden pallets
<b>SITE CONDITIONS</b>	<ul style="list-style-type: none"> <li>Wood products are naturally hygroscopic and must be stored flat, installed, and maintained in a controlled indoor environment</li> <li>Temperature: maintain between 50 °F and 86 °F (10 °C and 30 °C)</li> <li>Relative humidity: maintain between a minimum of 25 % and a maximum of 55 % (with no more than 20 % difference between maximum and minimum)</li> </ul> <p>Failure to comply with one or more of these on-site conditions will void Woodzco's limited warranty</p>
<b>WARRANTY</b>	Three (3) year warranty on all Woodzco products. Please refer to Woodzco's limited warranty on our website for full details

LEED V5	
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 ✓



## ACOUSTICAL PROPERTIES

### VERTICAL BLADES

Simulation #	Tile Sizes	Qty of blades	Blade Width	Blade Height	Space between blades	OA %	NRC	62.5	125	250	500	1000	2000	4000	8000
1	24" x 24"	8	3/4"	2-1/2"	2-3/8"	0.76	0.88	0.38	0.80	1.0	1.0	1.0	0.90	0.51	0.12

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

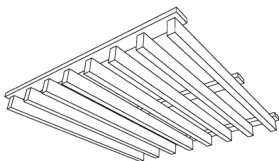
### HORIZONTAL BLADES

Simulation #	Tile Sizes	Qty of blades	Blade Width	Blade Height	Space between blades	OA %	NRC	62.5	125	250	500	1000	2000	4000	8000
2	24" x 24"	10	1-1/2"	3/4"	1/2"	0.25	0.76	0.38	0.82	1.0	1.0	1.0	0.52	0.28	0.09

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

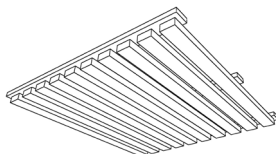
## CONFIGURATIONS

## Vertical Blades

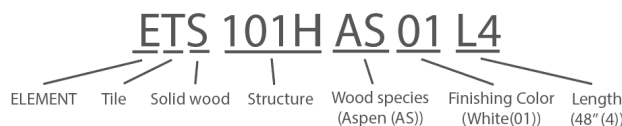


PRODUCT CODE	BLADES	WOOD BLADE SIZES		SPACE BETWEEN BLADES		OPEN AREA	TILE THICKNESS		AVERAGE WEIGHT	
	QTY	MM	INCHES	MM	INCHES	%	MM	INCHES	KG/SF	LBS/SF
ETS082V____L_	8	19 x 57	3/4 x 2-1/4	60	2-3/8	76	70	2-3/4	1.13	2.5

## Horizontal Blades



PRODUCT CODE	BLADES	WOOD BLADE SIZES		SPACE BETWEEN BLADES		OPEN AREA	TILE THICKNESS		AVERAGE WEIGHT	
	QTY	MM	INCHES	MM	INCHES	%	MM	INCHES	KG/SF	LB/SF
ETS101H____L_	10	38 x 19	1-1/2 x 3/4	13	1/2	25	31	1-1/4	0.91	2.0

EXAMPLE  
ITEM NUMBER KEY

## ACCESSORIES

## ACOUSTIC MATERIAL

PRODUCT CODE	WIDTH		THICKNESS		COLOR
	MM	INCHES	MM	INCHES	FINISHING
TSF 06N L8	610	24	6.4	1/4	Black

## FLAT WOOD BACKER

PRODUCT CODE	WIDTH		THICKNESS		COLOR
	MM	INCHES	MM	INCHES	FINISHING
EAS 01FB PW06 L2	610	24	13	1/2	Black
EAS 01FB PW01 L2	610	24	13	1/2	White
EAS 01FB PW00 L2	610	24	13	1/2	Natural

## INSTALLATION

Refer to the installation guide for complete details.

## FINISHING

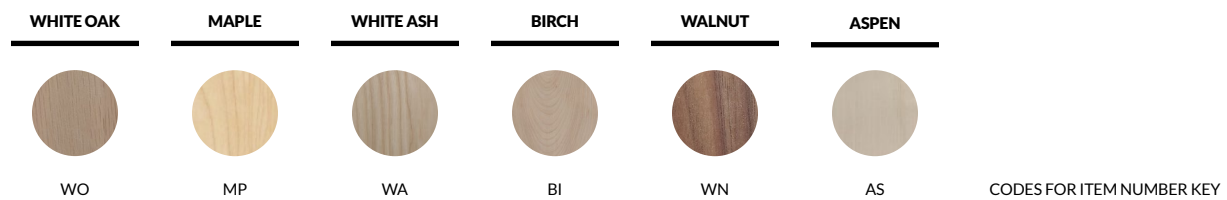
### Oil Colors

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



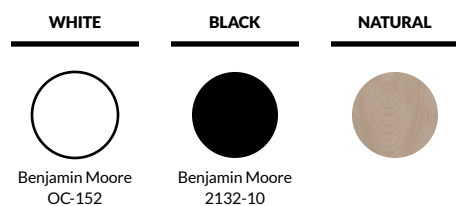
### Solid Wood Species

Available in six (6) standard solid wood species, with additional wood species available upon request\*



### Wood Backer Colors

Offered in three (3) colors, with customization options available\*



### Tile lengths

Available in two (2) standard lengths (L): 24" (2) and 48" (4)

**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. 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.