



The HARMONY FLEX PANEL collection by Woodzco combines acoustic performance and natural aesthetics, through a wood panel system designed to deliver both sound comfort and refined architectural design. The flexibility of the panels allows them to be installed on curved walls.

With one (1) possible configuration and four (4) standard wood veneer species available in 8- and 10-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 light and flexible panels; easy and quick to install
- » Designed for interior installation on walls and ceilings with a radius of curvature
- » High-performance acoustic properties that absorb sound reverberation
- » Four standard species of wood veneer
- » Customization available for all components
- » Optional finishing trims available

Specifications

WOOD VENEER SPECIES	Standard wood veneer: Cherry (flat cut), Maple (flat cut), Walnut (flat cut) and White Oak (rift cut)
PANEL SIZES	<ul style="list-style-type: none"> 8-foot length panel : 23-1/2" x 95" (597 mm x 2 413 mm) 10-foot length panel : 23-1/2" x 119" (597 mm x 3 023 mm)
ASSEMBLY	Pre-assembled
WOOD BLADES	<ul style="list-style-type: none"> Natural or Mass-tinted black Moisture Resistant (MR) MDF - Fire rated (FR) Various standard sizes available (refer to the configuration chart) Wood Veneer on two (2) sides of the MDF for increased stability Available only with premium matte oil finish, clear or colored
ACOUSTIC MATERIAL	<ul style="list-style-type: none"> Polyester material 1/4" thickness (6.4 mm) Available in Black, Dark gray, Medium gray and Light Beige; other colors available
CUSTOMIZATION	*Custom options available (minimum order of 400 sq.ft.)

Technical data

FIRE PERFORMANCE	<ul style="list-style-type: none"> CAN/ULC S102 (FSI < 25) ASTM E-84 (Class A)
ACOUSTICS	<ul style="list-style-type: none"> Acoustic options available to suit project requirements Noise Reduction Coefficient (NRC) up to 1.00 (conditions apply) Refer to the acoustic chart
ENVIRONMENT	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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) <p>Failure to comply with one or more of these on-site conditions will void Woodzco's limited warranty</p>
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

HARMONY FLEX PANEL

Model	Panel Sizes	Qty of blades	Blade width	Blade Height	Space between blades	OA %	NRC	125	250	500	1000	2000	4000
6.4mm acoustic material only	23-1/2" x 95"	15	1-1/16"	1/2"	1/2"	0.33	0.31	0.02	0.03	0.10	0.27	0.51	0.65
FLEX + 50mm gap with rockwool	23-1/2" x 95"	15	1-1/16"	1/2"	1/2"	0.33	1.00	0.26	0.71	1.14	1.09	1.04	1.03
6.4mm acoustic material only + 25.4mm air gap	23-1/2" x 95"	15	1-1/16"	1/2"	1/2"	0.33	0.42	0.01	0.04	0.15	0.44	0.75	0.71

Table 1. Acoustic performance for HARMONY FLEX panel 2713.

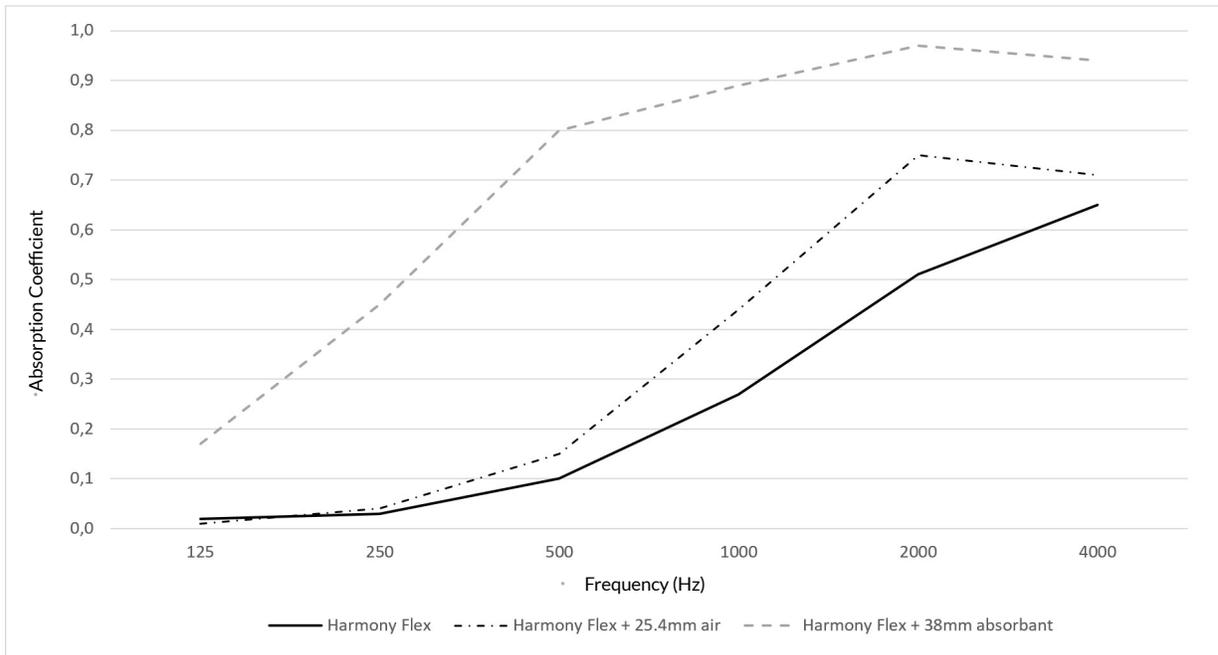


Figure 1. Acoustic performance for HARMONY FLEX panel 2713.

CONFIGURATIONS

HARMONY FLEX PANEL 2713

<ul style="list-style-type: none"> Quantity of blades: 15 Panel width: 23-1/2" (597mm) Wood blade sizes: 1-1/16" x 1/2" (27mm x 13mm) Space between blades: 1/2" (13mm) 	<ul style="list-style-type: none"> Panel thickness: 3/4" (19mm) Average weight: 0.90 kg/sq.ft. (2 lbs/sq.ft.) Open area (OA): 33% NRC: 1.00
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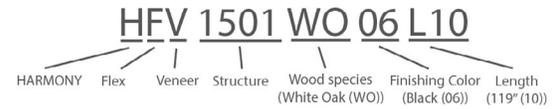
Figure 2. Isometric section view of the HARMONY FLEX acoustical panel 2713.

PRODUCT CODE	WOOD	FINISHING	MDF	ACOUSTIC MATERIAL (6.4MM)
ITEM	VENEER	WOOD COLOR	COLOR	COLOR
HFV 1501 WO__L	White Oak	See box	Black	Black
HFV 1501 CY00L	Cherry	Natural (00)	Black	Black
HFV 1501 WN00L	Walnut	Natural (00)	Black	Black
HFV 1503 WO02L	White Oak	Gray (02)	Black	Dark Gray
HFV 1503 WO06L	White Oak	Black (06)	Black	Dark Gray
HFV 1504 WO06L	White Oak	Black (06)	Black	Medium Gray
HFV 1505 WO00L	White Oak	Natural (00)	Natural	Light Beige
HFV 1505 WO01L	White Oak	White (01)	Natural	Light Beige
HFV 1505 WO03L	White Oak	Medium Brown (03)	Natural	Light Beige
HFV 1506 WO00L	White Oak	Natural (00)	Natural	Medium Gray
HFV 1507 WO00L	White Oak	Natural (00)	Natural	Dark Gray
HFV 1507 MP00L	Maple	Natural (00)	Natural	Dark Gray
HFV 1506 MP00L	Maple	Natural (00)	Natural	Medium Gray
HFV 1505 MP00L	Maple	Natural (00)	Natural	Light Beige
HFV 1507 MP03L	Maple	Medium Brown (03)	Natural	Dark Gray
HFV 1506 MP03L	Maple	Medium Brown (03)	Natural	Medium Gray
HFV 1505 MP03L	Maple	Medium Brown (03)	Natural	Light Beige



Figure 3. Plan view of the HARMONY FLEX acoustical panel 2713.

EXAMPLE ITEM NUMBER KEY



Finishing Wood Color

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

ACCESSORIES

FINISHING TRIMS in solid wood (style 2713)

PRODUCT CODE	SIZES		WOOD	FINISHING
ITEM	MM	INCHES	SPECIES	WOOD COLOR
HAF 03T MP__L	27 x 22	1-1/16 x 7/8	Maple	See box
HAF 03T WO__L	27 x 22	1-1/16 x 7/8	White Oak	See box
HAF 03T CY00L	27 x 22	1-1/16 x 7/8	Cherry	See box
HAF 03T WN00L	27 x 22	1-1/16 x 7/8	Walnut	See box

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*



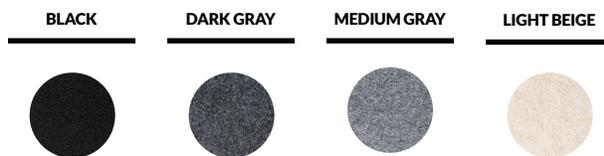
Wood Veneer Species

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



Acoustic Material Colors (6.4mm)

Offered in four (4) colors, with other options available*



Panel lengths

Available in two (2) standard lengths (L): 95" (8) and 119" (10)

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.