WOODFOIL® / WOODFOIL® *Ab*

DIFFUSION PANEL

Image of 60x60cm models **Ref.:WFL060** and **WFL060Ab** (on the left) and 60cm **Ref.:WFL060Ab** (ambient image).

DESCRIPTION

The Woodfoil® is a slightly concave diffusion panel, made of varnished birch plywood on a soft wood structure.

This diffuser is great to be used in concert halls, such as theatres and auditoriums, and is ideal for building acoustic diffusion shells.

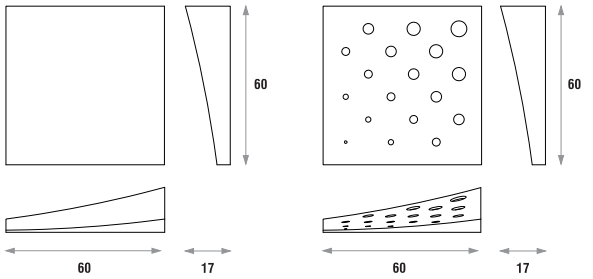
This model has two options: the Woodfoil® diffusion panel, which is made of plain birch plywood, and the Woodfoil® *Ab*, which has different holes that provide it with a higher absorption coefficient.

Its format allows us to make the appropriate adjustment, by using several panels and positions through 90º rotations, in order to obtain the goals required for each room.

Both the angle and the gyrate of this piece were calculated to provide a more versatile use. When using multiple pieces jointly, the angle of incidence never is too convergent, thus providing a homogeneous scattering diffusion of sound energy, which contrasts with other models from our brand that have a different development conception.

The Woodfoil® is available in various wood finishings or regular colours, as an option, thus allowing an appropriate background for each space. The mounting process is rather easy by simply using the docking accessories that are supplied.

TECHNICAL DRAWINGS



WFL060 **WFL**060 *Ab*

FEATURES

- Manufactured with Birch Plywood.
- Two options: Woodfoil® (diffusor) Woodfoil® *Ab* (diffusion with absorption characteristics).
- **NRC: 0.23/m² (WFL060); 0.62/m² (WFL060Ab)**
- Woodfoil® Average diffusion: **0.68/m²** [>100Hz;<5KHz].
- Woodfoil® *Ab* Average diffusion : **0.51/m²** [>100Hz;<5KHz].
- Package: 2 or 4 units.
- Installation: accessories included.

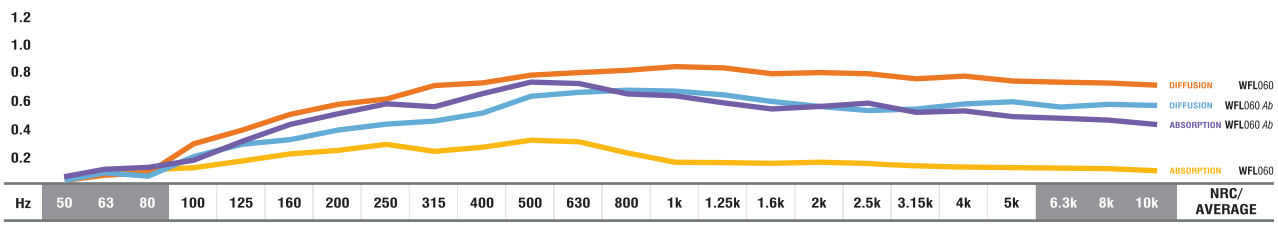
MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
WFL060	60 cm	60 cm	17 cm	2.9 Kg
WFL060 *Ab*	60 cm	60 cm	17 cm	2.8 Kg

DIFFUSION - ABSORPTION COEFFICIENT

	Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	NRC/ AVERAGE
WFL060		0.02	0.05	0.08	0.28	0.38	0.47	0.56	0.60	0.68	0.71	0.77	0.79	0.80	0.83	0.81	0.78	0.79	0.78	0.76	0.77	0.75	0.74	0.72	0.70	0.68
	αS	0.03	0.07	0.10	0.12	0.17	0.22	0.25	0.28	0.24	0.26	0.31	0.28	0.22	0.17	0.16	0.15	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.08	0.23
WFL060Ab		0.01	0.04	0.06	0.20	0.28	0.32	0.38	0.42	0.44	0.50	0.61	0.63	0.65	0.64	0.62	0.59	0.57	0.54	0.55	0.58	0.59	0.55	0.57	0.56	0.51
	αS	0.04	0.08	0.12	0.18	0.29	0.41	0.50	0.57	0.55	0.63	0.72	0.69	0.63	0.62	0.58	0.56	0.57	0.58	0.54	0.52	0.48	0.47	0.45	0.41	0.62

WFL060 / WFL060 *Ab*



ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.

DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.

Values [<100Hz and > 5K] are Non Standard Values.

WOOD VENEER FINISHINGS

PINE | OAK | CHERRY | MAHOGANY | WENGE | BLACK-BROWN

IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal range.
- Due to its natural origin, wood-based products will always present natural imperfections inherent to the organic nature. And for similar reasons, they will also present traces of old-age in the course of time.
- Wood and Fabric products are highly susceptible to change its appearance with humidity and temperature. Close attention must be paid to the storage conditions and the acclimatization before, during and after the installation.
- Typical Indoor Comfort Standards state a temperature range of 20ºC - 27ºC (68ºF - 81ºF), and a relative humidity of less than 60%. These would be considered as normal operational levels of JOCAVI® products' range.
- Despite all the standard sizes of all products, this model can be customised upon previous consultation. Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.