Determination of speech level reduction according to ISO 23351-1
*Desktop assessment undertaken in accordance with FIS certified scheme*

Product: Bjorn – Timber pod
Operating condition: Assessed based on normal use
Manufacturer: Architectural Wallsz
Assessment scheme: Acoustic classification scheme for configurable meeting pods
Name of assessor: Ben Southgate, Sandy Brown
Name of assessor: Andrew Parkin, Cundall
Assessment date: 13 March 2024

Frequency f Hz	Speech level D dB
125	11
250	18
500	24
1000	30
2000	34
4000	36
8000	- *
$D_{S,A}$	24
Class	C

* No data provided for 8,000 octave band

NB: The results are only valid for the specimen configuration assessed (see details overleaf). Changes in size, geometry or materials can lead to significant changes in reported results.
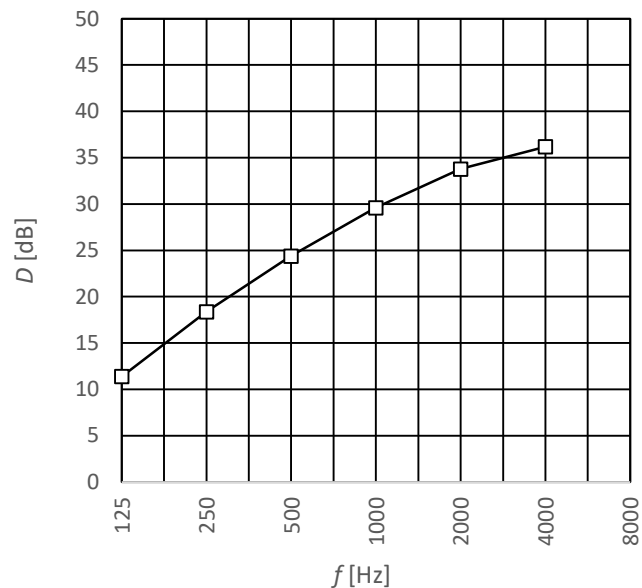
Key
f 1/1-octave band, in Hz
D level reduction, in dB
$D_{S,A}$ speech level reduction, in dB

Pod configuration assessed

$D_{S,A,P}$ *

	$D_{S,A,P}$*	
Ceiling 11.5 m2 total panel size Lab-to-site: 5 dB**	27	12.5mm thick plywood lid, 152mm thick DIRTT ceiling panels, 135mm cavity plus OWA Sinfonia suspended mineral fibre ceiling tiles below***. Extract and replacement air ventilation ducts (150mm dia., 0.08m2 area) connected to extract fan (on one side) and attenuator***. Ventilation plenum boxes on roof***.
Front wall (w/entry) 10.1 m2 total panel size Lab-to-site: 3 dB**	32	DIRTT double glazing (10mm glass/75mm cavity/10mm glass). Apton MK2 44mm thick double glazed door (10mm/10.8mm glazing).
Left wall 7.6 m2 total panel size Lab-to-site: 2 dB**	46	DIRTT 100mm solid partition.
Back wall 10.1 m2 total panel size Lab-to-site: 2 dB**	44	DIRTT 100mm solid partition.
Right wall 7.6 m2 total panel size Lab-to-site: 3 dB**	33	DIRTT double glazing (10mm glass/75mm cavity/10mm glass).

* $D_{S,A,P}$ represents the level difference of the individual panel, from which the overall performance is derived. These values are for informative purposes only.

** This is the assessed lab-to-site tolerance for the panel included within the assessment.

*** The data used for this element is based on predictions, rather than laboratory test results. This increases the uncertainty of the assessment and a conservative view has therefore been taken.

Disclaimer

The performance stated in this certificate is a prediction and best estimate based on data and drawings provided by the manufacturer. Reasonable care has been taken to validate the information provided, but the FIS are not responsible for misleading, inaccurate or unrepresentative information that may have been provided to us as the basis for the assessment. Furthermore, the FIS offers no guarantee of the sound reduction performance that may be achieved when tested, which may vary as a result of factors such as, but not limited to, site conditions, installation quality and other acoustic parameters.