

PLN GROUP



# CUBE POD

Designed by PLN Group



#### HOW IT WORKS

Hard, dense surfaces (glass, concrete, etc.) in modern offices and restaurants often reflect sound and make it appear louder. The Cube Pod's, lightweight, semi-rigid acoustic panels soften sound and reduce reverberations through the absorption of certain frequencies (mainly mid to higher frequencies).

#### MATERIAL

Manufactured from 25mm thick panels of 100% polyester fibers (including 65% post-consumer recycled material) the material is sustainable, safe, non-toxic, nonirritant and non-allergic.

#### OPTIONS

18 colours. Available with 3 different power options.

#### SHIPPING

Cube Pod is shipped flatpacked with full instructions for assembly.

#### APPLICATIONS

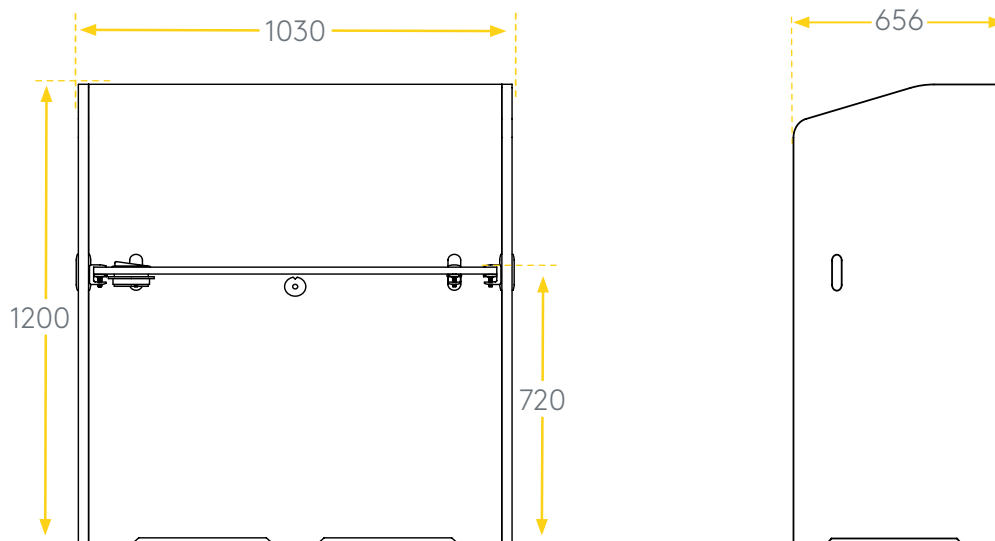


STANDING



SITTING

## Sitting



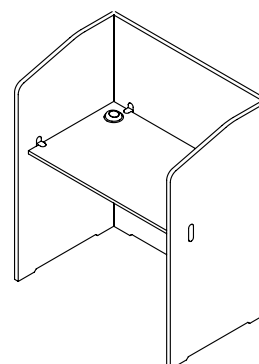
## Dimensions

### About

Cube Pod is a destination touch-down point which offers privacy for individual focused work.

The soft walls absorb noise common in today's open-plan office and provide shelter from both visual and acoustic distractions.

Easily installed and relocated, the pods are ideal for the agile workspace.



### Specifications

- Worktops available in Plytech Futura white (European Birch HPL), or premium.
- Power options are: RAW plywood finish, 80mm cable port or 80mm power unit which may be required to be sourced locally. Internal router provided.
- Weight: 19kg each
- Please enquire for premium pricing.

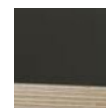
#### WORKTOP COLOURS

##### Futura HPL (Standard)

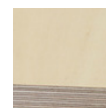


White

##### Premium Worktop Colours

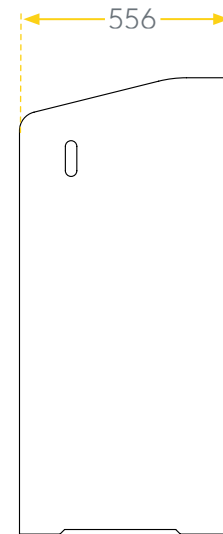
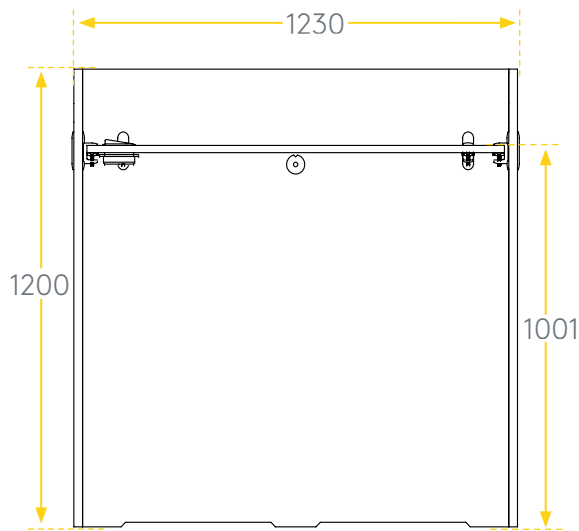


Futura Black



Eco Spectrum Clear

Standing



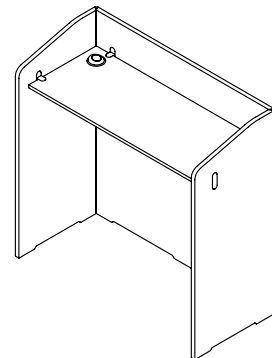
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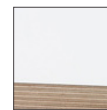


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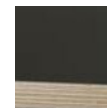
WORKTOP COLOURS

Futura HPL (Standard)

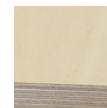


White

Premium Worktop Colours



Futura Black



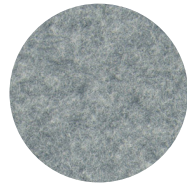
Eco Spectrum Clear



## COLOUR SWATCHES

Cube Pods are available in 18 colours. These swatches are to be used as a guide only, please refer to a product sample for true color reference.

*Enquire for pricing of premium colours*



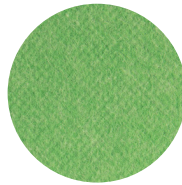
Flatiron

*Flatiron is the standard colour*

## Premium Colours



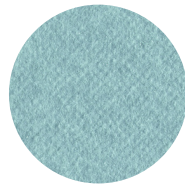
Acros



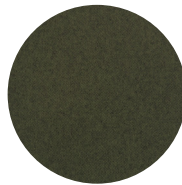
Bosco



Empire



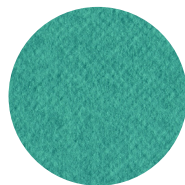
Falling Water



Gherkin



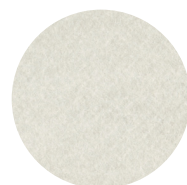
Ironbank



Lotus



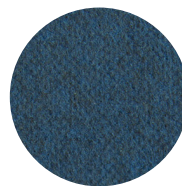
Muralla



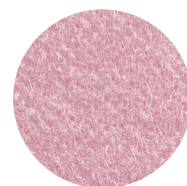
Opera



Petronas



Pinnacle



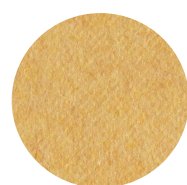
Rosada



Sargazo



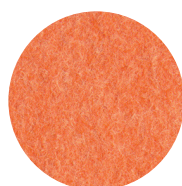
Savoye



Senado



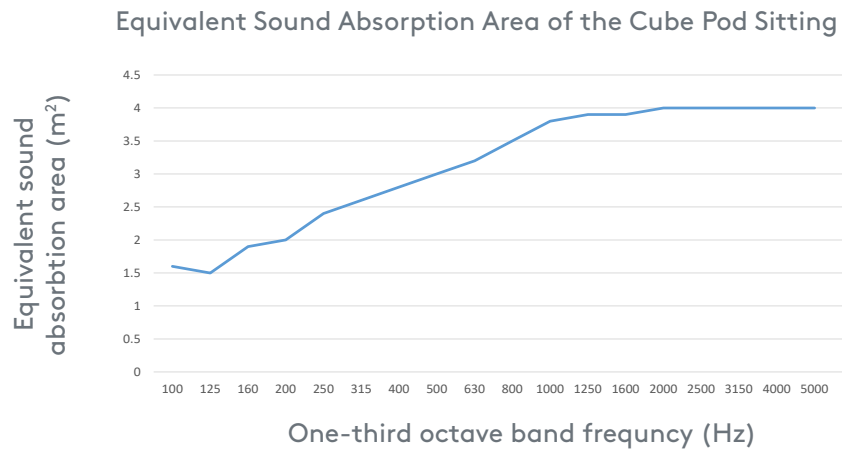
Treehouse



Zenith

CUBE POD SITTING  
ACOUSTIC REPORT

The tests described in this report were conducted on the 11th of February, 2021. The tests were performed at the request of PLN Group to determine the equivalent sound absorption area of a sample of Cube Pod Sitting. The tests were carried out following the interrupted noise technique outlined in ISO 354: 2003 Acoustics -- Measurement of sound absorption in a reverberation room. The tests were carried out in the reverberation room of the Auckland Uniservices limited at Auckland University.



**TABLE 1:** Test room reverberation times and equivalent absorption area of Cube Pod Sitting.

Frequency (Hz)	$T_1$ = Empty Chamber (s)	$T_1$ = With Sample (s)	A Third Octave (m <sup>2</sup> )
100	6.58	4.02	1.6
125	6.92	4.24	1.5
160	7.35	3.97	1.9
200	8.40	4.16	2.0
250	7.26	3.46	2.4
315	7.21	3.56	2.3
400	7.08	3.31	2.6
500	7.40	3.22	2.8
630	7.06	3.07	3.0
800	6.97	2.90	3.2
1000	6.35	2.66	3.5
1250	5.68	2.43	3.8
1600	4.90	2.25	3.9
2000	4.14	2.06	3.9
2500	3.56	1.90	4.0
3150	3.29	1.81	4.0
4000	2.88	1.68	4.0
5000	2.39	1.50	4.0

Full acoustic test report available on request.

CUBE POD STANDING  
ACOUSTIC REPORT

The tests described in this report were conducted on the 11th of February, 2021. The tests were performed at the request of PLN Group to determine the equivalent sound absorption area of a sample of Cube Pod Standing. The tests were carried out following the interrupted noise technique outlined in ISO 354: 2003 Acoustics -- Measurement of sound absorption in a reverberation room. The tests were carried out in the reverberation room of the Auckland Uniservices limited at Auckland University.

Equivalent Sound Absorption Area of the Cube Pod Standing

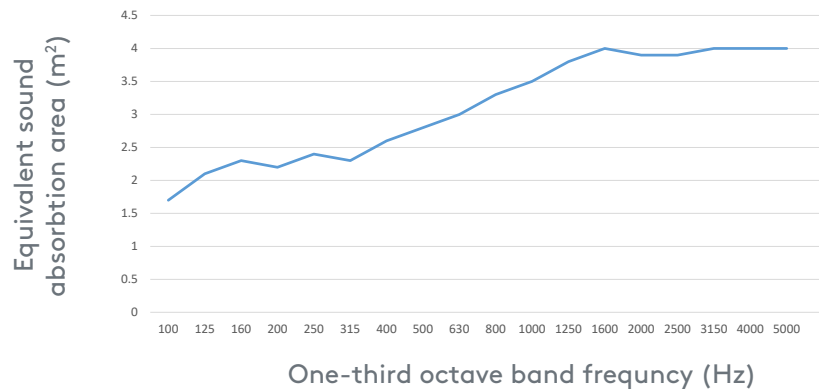


TABLE 1: Test room reverberation times and equivalent absorption area of Cube Pod Standing.

Frequency (Hz)	$T_1$ = Empty Chamber (s)	$T_1$ = With Sample (s)	A Third Octave (m <sup>2</sup> )
100	6.58	3.91	1.7
125	6.92	3.67	2.1
160	7.35	3.62	2.3
200	8.40	3.97	2.2
250	7.26	3.54	2.4
315	7.21	3.56	2.3
400	7.08	3.33	2.6
500	7.40	3.25	2.8
630	7.06	3.08	3.0
800	6.97	2.91	3.3
1000	6.35	2.70	3.5
1250	5.68	2.45	3.8
1600	4.90	2.24	4.0
2000	4.14	2.08	3.9
2500	3.56	1.93	3.9
3150	3.29	1.82	4.0
4000	2.88	1.69	4.0
5000	2.39	1.51	4.0

Full acoustic test report available on request.

**MATERIAL  
DATA SHEET**

Cube Pod is made from 25mm thick 100% polyester and manufactured in New Zealand and Australia under Autex's ISO 14001 certified Environmental Management System. Containing a minimum of 65% post-consumer recycled material (PET bottle-flake); it is completely safe, non-toxic, non-allergenic and non-irritant.

**FIRE RATINGS (CONDUCTED ON 12MM)**

ISO 9705:1993  
Classification: Group 1-S  
Smoke Production Rate: <5.0m<sup>2</sup>/s  
As required by NZBC C/VM2  
AS ISO 9705 - 2003  
Classification: Group 1  
(SMOGR<sub>Arc</sub>): <100m<sup>2</sup>/s  
As required by BCA C1.10  
FI 4974 dated 16th September, 2012  
EN13501-1:2007+A1:2009  
B - s1, d2

**VOC EMISSIONS**

The polyester has been tested by Cetec Pty Ltd (Report: CV080408) for chemical emission and is classified as low VOC. VOC concentration: 0.01 mg/m<sup>3</sup>

**MOISTURE ABSORPTION**

Polyester fibre when exposed to an atmosphere of 122°F at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

**FABRIC CARE**

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution. Custom printed material requires the services of a specialist cleaning company. For more information, please see our full care and maintenance instructions.

**PATTERN REPEAT**

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

**IMPACT RESISTANCE**

The polyester has been tested for impact resistance to EN13964:2004 and meets the criteria of Class 1A; not adversely effected at impact velocities over 16.5m/s.

**ENVIRONMENTAL**

The manufacturing is under ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Contains a minimum of 65% previously recycled polyester fibre (from PET bottleflake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible. Uncontaminated material can be recycled.

Manufactured from 100% polyester fibres and does not contain formaldehyde binders and will not become a potential airborne pollutant.