

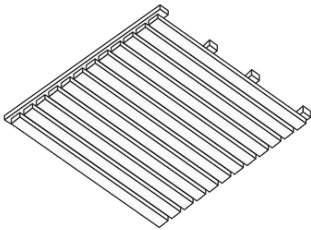
CoreBOO™ 'Drop-IN' SLAT Panels

Product Overview

The **CoreBOO™ 'DROP-IN' Slat Panels** are solid bamboo slat panels that fit seamlessly into standard ceiling grid assemblies and are available in either a **FLAT** (slats are shorter than they are wide) or **TALL** (slats are taller than they are wide) profile. These slat profiles are available both on **FELT** (recycled PET substrate; available in multiple thicknesses) and **AIR-MESH** (acoustic fabric is mounted between the slats and bamboo strip substrate providing high NRC values open plenum applications) substrates.

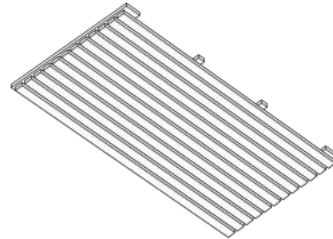
Profile Options:

FLAT 'DROP-IN' PANELS



FLAT DROP-IN (2'X2')

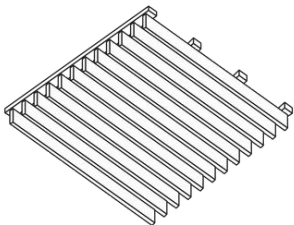
Slat width 35mm (~1-3/8")
Slat height 16mm (~5/8")
Gap spacing 25mm (~1")



FLAT DROP-IN (4'X2')

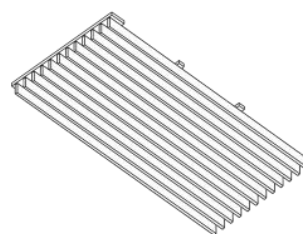
Slat width 35mm (~1-3/8")
Slat height 16mm (~5/8")
Gap spacing 25mm (~1")

TALL 'DROP-IN' PANELS



TALL DROP-IN (2'X2')

Slat width 16mm (~5/8")
Slat height 35mm (~1-3/8")
Gap spacing 34mm (~1-3/8")



TALL DROP-IN (4'X2')

Slat width 16mm (~5/8")
Slat height 35mm (~1-3/8")
Gap spacing 34mm (~1-3/8")

Substrate Options:



1/2" bamboo cross beam structure with acoustic "Air Mesh" fabric sandwiched in between.

- NRC = 0.75 (if ≥ 7.5" of air plenum above)
- Color of "Air Mesh" is black



Slats mounted onto recycled PET substrate.

- PET available in multiple thicknesses (9, 12, 18, 24mm)
- Default color is black (*can be customized*)
- NRC range: 0.30 – 1.0

Colors

UV Colors (select one:)



White UV



Light UV



Dark UV



Walnut UV



Black UV

Oil Colors (select one:)



White Oil



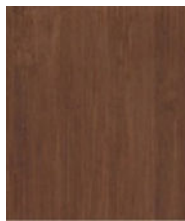
Natural Oil



Grey Oil



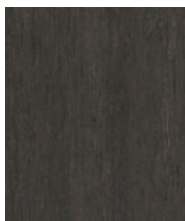
Teak Oil



Hazelnut Oil



Walnut Oil



Black Oil

Specifications

Description: Bamboo slat panels designed specifically for use in ceiling grid applications

'Drop-IN' Slat Profile (select one): FLAT, TALL

Panel Size (select one): 600*600mm (~2'x2'), 1200*600mm (~4'x2')

Substrate (select one): FELT, AIR-MESH
(* for the FELT substrate: also select PET thickness: 9mm, 12mm, 18mm, 24mm)

Color (select one):

UV series: White UV, Light UV, Dark UV, Walnut UV, Black UV
OIL series: White Oil, Grey Oil, Natural Oil, Walnut Oil, Teak Oil, Hazelnut Oil, Black Oil

Composition: 100% solid bamboo face on a recycled PET substrate

Fire-rating: Class "B" (Class "A" coating available)

NRC: varies based on perforation pattern selected

Installation (select one): Panels applied into ceiling grid

Substrate NRC analysis

Substrate	NRC values			
	9mm	12mm	18mm	24mm
FELT				
Direct-applied	0.3	0.41	0.6	.069
2" air gap		0.77	0.85	0.89
2" filled		0.95		1.0
n4" air gap		0.86	0.92	0.96
8" air gap		0.94	0.97	1.0
AIR MESH	0.75 (with ≥7.5" open air plenum)			

Sustainable Attributes

- Made from rapidly renewable bamboo (harvested at 5 years harvesting cycles; naturally regrows from root)
- Carbon neutral product
- Zero-carbon manufacturing
- Non-detectable VOC and Formaldehyde emissions (CDPH compliant)
- Made from 'solid' bamboo material (as opposed to potentially carcinogenic particleboard substrate products)
- Sustainable supply chain

Environmental Certification

- EPD – compliant with ISO 14025 and EN 15804
- Declare – Red List free (third party verified)
- ISO 14001 Certified Environmental Management
- Health Product Dec
- FSC-certified (available)

Green Building Certification

Sustainable Materials products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit www.SustainableMaterials.com, or speak with your Sustainable Materials account manager.

Product Testing Specifications

Formaldehyde emission: ND [Non-Detectable] – (per EN 717-1, ISO 16000-9, ISO 16000-6)

TVOC: ND [Non-Detectable] – (per ISO 16000-9:2006/6:2011/3:2011)

Fungus Resistance: Grade 0 (per JIS Z 2911)

Bending strength: 111.75 N/mm² (per EN 310)

Modulus of Elasticity: 9750 N/mm² (per EN 310)

Screw retentivity rate: Edge withdrawal (Long side): 31N/mm²; Edge withdrawal (Short side): 36 N/mm²; Surface withdrawal: 44 N/mm² (per EN 13446)

Water absorption rate: Change in length: ± 0.9 mm/m / Change in thickness: ± 1% (per EN 318)

Brinell hardness (HB): 30 N/mm² (per EN 1534)

Certification availability: Forestry Stewardship Council (FSC)

Fire-resistant: available as Class B-s1, d0 (per EN 13501); Class "A" (per ASTM E84)

GET IN TOUCH

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