

CoreBOO™ 'Drop-IN' Panels - CSI Specs

BAMBOO WALL PANELS

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Use of low-VOC and E0 Compliant adhesives and finishes in manufacturing of all products.
- b. Minimum of five years' experience in manufacturing, supply and use of the bamboo panel type specified.
- c. Installation contractor needs to have 3 years' experience installing ceiling grid systems and products in the proposed type of application.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver wall tiles/paneling to project site, or fabrication site, not less than 3 days prior to start of installation (to allow for suitable acclimation).

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, bamboo panels and adhesive must be maintained at normal occupancy temperature and humidity levels (HVAC working) for minimum of 72 hours prior to installation.

1.06 WARRANTY

A. Sustainable Materials' Structural Warranty: 10 years against delamination or separation because of a manufacturing defect when installed and maintained in accordance with manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 MANUFACTURER/DISTRIBUTOR

Sustainable Materials
5403 Western Ave #C
Boulder, CO 80301 USA

Tel: (720) 449-3063
e-mail: info@SustainableMaterials.com
Website: www.SustainableMaterials.com

1. Product (select **Product Type** AND **Profile**)
 - a. CoreBOO™ SLAT 'Drop-IN' Panels
 - i. FLAT
Slat width: 35mm (~1-3/8")
Slat height: 16mm (~5/8")
Slat spacing: 25mm (~1")
 - ii. TALL
Slat width: 16mm (~5/8")
Slat height: 35mm (~1-3/8")
Slat spacing: 34mm (~1-3/8")
 - b. CoreBOO™ PERF 'Drop-IN' Panels
 - i. Micro
 - ii. Classic
 - iii. Offset
2. CoreBOO™ Backer Material (select **Acoustic substrate**)

- a. FELT
 - b. AIR-MESH
- 3. CoreBOO™ Panel Size (select **Size**)
 - a. 2'x2'
 - b. 4'x2'
- 4. CoreBOO™ Finish Type (select **Type** and **Color**):
 - a. UV (satin – interior only)
 - i. White
 - ii. Light
 - iii. Dark
 - iv. Walnut
 - v. Black
 - b. OIL (matte – interior/exterior)
 - i. White
 - ii. Natural
 - iii. Teak
 - iv. Hazelnut
 - v. Walnut
 - vi. Grey
 - vii. Black
- 5. Installation: Drop-In' (within existing ceiling grid)
- 6. Substitutions: None Permitted

2.02 MATERIALS

A. CoreBOO™ 'Drop-IN' Panel

- 1. CoreBOO™ material species: Sustainably harvested bamboo (solid construction)
- 2. Physical Property Performance Requirements:
 - a. Composition: 100% solid bamboo
 - b. Density: ± 680 kg/m³ (EN323)
 - c. Durability Class: 1-2 (EN350)
 - d. Janka Hardness: 1,380 lbf
 - e. Moisture Content: 10% -14%
 - f. Formaldehyde Emission: ND (EN 717-1, ISO 16000-9 & ISO16000-6)
 - g. TVOC: ND (ISO 16000-9:2006 / COR1-2007 & ISO 16000-6: 2011 & ISO 16000-3: 2011)
 - h. Fire Rating (standard): B-s1, do (EN13501)
 - i. Fire Rating (w/treatment): Class A (ASTM E84-17)
 - j. Fungus Resistance (for OIL coated versions): Grade O (JIS Z 2911)
 - k. Bending Strength: 111.75 N/mm² (EN310)
 - l. Modulus of Elasticity: 9750 N/mm² (EN310)
 - m. Screw retentivity rate (EN13446):
 - a. Edge withdrawal - Long side: 31 N/mm²
 - b. Edge withdrawal – Short side: 36 N/mm²
 - c. Surface withdrawal: 44 N/mm²
 - n. Water absorption rate (EN318):
 - a. Change in length: $\pm 1\%$
 - b. Change in thickness: $\pm 1\%$
 - o. Brinell hardness (HB): 30 N/mm²

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine 'grid' to which CoreBOO™ 'Drop-IN' Panels will be applied:

- 1. Components must be clean, dry, and free of contamination that would interfere with level placement.
- 2. Paint or fix any inconsistencies in the grid assembly.

B. Verify that HVAC system is operating and maintaining occupancy level temperature and humidity conditions.

C. If either of the above needs' attention, coordinate with responsible entity to correct unsatisfactory conditions.

3.02 PREPARATION

A. Acclimatization: Open all packaging to allow the material to acclimate for a minimum of 72 hours prior to the start of the installation.

B. Fix grid assembly if needed (as per Examination needs and those relating to the adhesive bond per the instructions of the adhesive selected for use).

3.03 INSTALLATION

A. Refer to Sustainable Materials' Installation instructions.

3.04 CLEANING and MAINTENANCE

A. Clean and maintain in accordance with guidelines presented in Installation Guidelines.

With any questions, or for this in a digital format, contact:

Sustainable Materials

Phone: (720) 449-3063

Email info@SustainableMaterials.com

Web: www.SustainableMaterials.com