Sustainable Materials CSI Spec. for CORK BRICKS (3D, Beveled, Stick)

CORK WALL TILES/PANELS

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

a. Use of cork sourced from the *Quercus Suber* tree as found only in Southwest Europe and North Africa

b. Use of low-VOC, E1 Compliant, and CARB compliant components, adhesives and finishes in manufacturing production process.

b. Prior production of material for no less than 3 years.

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, flooring 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. Special Warranty:

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

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. Vasco Emanuel Lda. (ie: Muratto)
Rua Pedro Homem de Melo, 432, 1 esq
Porto 4150-598
Portugal

Distributor (North America):
Sustainable Materials LLC
5403 Western Ave #C
Boulder, CO 80301
USA

Tel: (720) 449-3063
e-mail: info@sustainablematerials.com
Website: http://www.sustainablematerials.com/muratto

B. Product Format (relates to product size and dimensions, as well as installation method):
a. "3D" Cork Bricks
b. "Beveled" Cork Bricks
c. "Stick" Cork Bricks

C. Color (select one, or multiples based on design):
a. Natural
b. Ivory
c. Brown
d. Terracota

e. Green
f. Black
g. Grey

D. Substitutions: None Permitted

2.02 MATERIALS

A. Cork Bricks:

1. Species: Cork

2. Size: 230mm*70mm*7mm (approx. 9" x 2-3/4" x 5/16")

3. Physical Property Performance Requirements:

a. Composition: 100% cork (natural and agglomerated)
b. Dimensional Stability: ≤ 0.4 % (per EN 434)
c. Thermal Resistance: 0.46 m²C/W
d. Thermal Conductivity: 0.0541 W/mC
e. Sound Absorption: NRC = 0.15

B. Installation Adhesive:
a. "3D" Cork Brick: water-based contact cement (recommend: Loba Wakol D3540)
b. "Beveled" Cork Bricks: self-adhesive (no adhesive necessary)
c. "Stick" Cork Bricks: water-based contact cement (recommend: Loba Wakol D3540)

C. Finish: Immersion finishing with protective finish (Natural is left unfinished)

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrate(s) to which Cork Bricks will be applied:

1. Components must be clean, dry, and free of contaminates that would interfere with adhesive bond.
2. Drywall or other wall substrate must be 'primed' (or sealed) if not currently.

B. Verify that HVAC system is operating and maintaining occupancy level temperature and humidity conditions (with material unboxes and acclimating).

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

3.02 PREPARATION

A. Acclimatization: Open all Cork Bricks packaging to allow the material to acclimate for a minimum of 72 hours prior to the start of the installation with HVAC system operating at normal occupancy temperature and humidity levels.

B. Fix substrate 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. "3D" Cork Bricks:
1. Find Center: using a chalk line, find the symmetrical axes of the wall sides to determine starting point.
2. Follow the Manufacturer's installation instructions of the adhesive selected.
3. Install in a 'staggered seam' pattern (to minimize the stacking of joints), or select another recommended layout pattern (contact supplier for additional suggestions and images).
4. Press tiles into place (per adhesive Manufacturer's instructions and dry time requirements)
5. See '"3D" Cork Bricks Installation Instructions' for further details.

B. "Beveled" Cork Bricks:

1. Find Center: using a chalk line, find the symmetrical axes of the wall sides to determine starting point.
2. Follow the Manufacturer's installation instructions of the adhesive selected.
3. Install in an offset 'staggered seam' pattern (similar to traditional brick) [or alter the layout as per your design details].
4. Remove the 'self-adhesive' backer from the tiles and press firmly into place, with one tile pressed tightly against the adjacent pieces (do so diligently, as the tiles will bond instantaneously and will likely break if removed).
5. See '"Beveled" Cork Bricks Installation Instructions' for further details.

C. "Stick" Bricks:
***[NOTE**: the "Stick" Cork Bricks are pre-applied with an adhesive on the back of the tiles, requiring only that 'contact cement' is applied to the substrate (ie: wall surface)]*
1. Find Center: using a chalk line, find the symmetrical axes of the wall sides to determine starting point.
2. Follow the Manufacturer's installation instructions of the 'contact-cement' adhesive selected, making sure to only apply the adhesive to the wall or substrate to which the tiles will be applied (the tiles have adhesive on the back already).
3. Install in a 'staggered seam' pattern (to minimize the stacking of joints), or select another recommended layout pattern (contact supplier for additional suggestions and images).
4. Remove the 'self-adhesive' backer from the tiles and press firmly into the 'dried and tacky' contact cement applied to the substrate (do so diligently, as the tiles will bond instantaneously and will likely break if removed).
5. See '"Stick" Cork Bricks Installation Instructions' for further details.

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:

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