

## **Sustainable Flooring's CSI Spec. for CERAMICork™ Flooring (09650)**

### **PREFINISHED CERAMICORK™ FLOATING FLOOR PLANKS**

#### **PART 1 – GENERAL INFO**

##### **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 five years experience in manufacturing and distributing bamboo flooring of the type specified.
- c. Member: National Wood Flooring Association, United States Green Building Council

###### **2. Installer Qualifications:**

- a. Minimum three years experience in cork flooring installation.

##### **1.04 DELIVERY, STORAGE, AND HANDLING**

A. Deliver flooring to project site in original boxes not less than 5 days prior to start of installation.

##### **1.05 PROJECT/SITE CONDITIONS**

A. Environmental Requirements: Installation spaces, flooring and adhesive must be maintained at normal occupancy temperature and humidity levels for minimum 3 days prior to installation.

##### **1.06 WARRANTY**

###### **A. Special Warranty:**

Warranty: 10 years against any 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. Sustainable Flooring  
4390 Pali Way  
Boulder, CO 80301

Tel: (303)544-6076  
e-mail: [info@sustainableflooring.com](mailto:info@sustainableflooring.com)  
Web-site: <http://www.sustainableflooring.com>

1. Cork Floating Floor Plank – A floating floor system comprised of 3 independent layers laminated together: a 100% granulated cork acoustical underlayment layer on the bottom, a HDF (High Density Fiberboard) water-resistant core layer, and a wear surface of granulated cork particles are compressed together under pressure to form a dense and durable conglomerate.

a. Style: Veneer

1. Avana
2. Avesso
3. Barbera
4. Malbec
5. Mavro
6. Tarrango
7. Raboso
8. Avana PARQUET
9. Avesso PARQUET
10. Raboso PARQUET
11. Mavro PARQUET

C. Substitutions: None Permitted.

## **2.02 MATERIALS**

A. Cork Flooring:

1. Species: Quercus Suber (Cork Oak)

2. Size:

a. Cork Floating Floor Plank - ORIGINAL: 300mm x 900mm x 11mm (approx. 12" x 36" x 7/16")

1. Packaging: 22.99 square feet/carton

b. Cork Floating Floor Plank – PARQUET 138mm x 900mm x 11mm (approx. 7/16"x5.5"x36")

1. Packaging: 10.99 square feet/carton

3. Edge:

- a. Cork Floating Floor Plank ORIGINAL: Tongue and groove; glue-less system. SQUARE EDGE
- b. Cork Floating Floor Plank PARQUET: Tongue and groove; glue-less system. BEVELED EDGE.

4. Finish (for prefinished):

a. 3 layers – water-based, low-VOC, ceramic infused, polyurethane

5. Physical Property Performance Requirements:

a. Cork Floating Floor Planks

1. Composition/Density:

Bottom layer: Acoustical Underlayment - 184 kg/m<sup>3</sup>

Middle layer: High Density Fiberboard (≥ 900 kg/m<sup>3</sup>)

Wear layer: (≥ 450 kg/m<sup>3</sup>)

2. Flammability: (as per HPVA - unfinished tiles)

Avg. Critical Radiant Flux 0.60 w/cm<sup>3</sup>

3. Indentation: Initial: (as per ISO 3810 1987)

Initial: 1.7%; Residual: 0%

4. Shock Absorption: (as per UNE 56 817 74)

Initial Maximum Indentation < 0.19 mm

Maximum Indentation after 1 hour < 0.08 mm

5. Formaldehyde: Class E-1 for HDF core layer (E1 materials must contain less than 9mg/100g.) Phenol (No Urea Formaldehyde inclusion acceptable).

6. Acoustical Rating:

8" concrete slab: STC - 58dB, IIC - 68 dB, NC - 30 dB

8" with dropped ceiling: STC - 60dB, IIC - 73 dB, NC - 30 dB

7. Static Coefficient of Friction (per ASTM C1028-89)

Dry .65

Wet .69

B. Installation Adhesives:

1. Cork Floating Floor: glue-less - NO ADHESIVES NECESSARY.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

A. Examine substrates upon which flooring will be installed.

1. Verify that subfloor is clean, dry, and free of contaminants that would interfere with adhesive bond.

2. If installing on concrete: Test concrete floors for moisture content using a Calcium Chloride test or Tramex Moisture Encounter meter. Do not install flooring if vapor pressure exceeds 3 lbs per 1,000 sq. ft. (15 g per m<sup>2</sup>) in 24 hours.

a. In multiple story buildings, test each floor level where cork flooring will be installed.

b. Mark test location(s) on As-Built Drawings.

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

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

### 3.02 PREPARATION

A. Acclimatization: Open all cartons, and let acclimate for a minimum of 3 days.

B. Fix the substrate so that all bumps and depressions are completely leveled for the glue-down tile application, and ensure bumps and depressions are less than 1/8" over 8 feet for the Floating Floor installation application.

### 3.03 INSTALLATION

A. Floating Floor Planks:

**Expansion Gaps:** Provide 10mm expansion gaps to the wall and other fixed objects to areas greater than 900 sq. ft. or 30 ft. in either direction. Transitions between rooms and asymmetrical areas require extra expansion gaps.

1. Before laying the floor ensure proper tolerances of subfloor. If there is any moisture present, lay 100um of plastic sheet with taped 500mm overlap.
2. Cut the doorframes at the bottom to allow the floor to be placed under them.
3. When laying the panels, be sure to leave 8-10mm between the panels and the wall. Very important!
4. Begin first row with a complete panel.
5. Begin placing the panels so that the (female) side with the groove faces the wall.
6. Cut the last panel of the first row and if the cut-off piece is 1/3 to 1/2 of a full plank, place at the beginning of the second row. Make sure that the groove and tongue are facing each other.
7. No glue is necessary between panels until the last row.
8. Fit the panels by hand and adjust them by using a piece of wood and a hammer or mallet.
9. Never hammer directly on the panel.
10. Continue placing panels as above until you get to the last row.
11. The last row may require the panels to be cut lengthwise to fit the floor.
12. Place the panels that need to be cut on top of the last row placed. Make sure that the (male) tongue is facing the wall. Don't forget to apply the wedges.
13. Mark and cut
14. After cutting, apply the glue and fit the panel manually, adjusting it with the help of a crowbar.
15. Remove any excess glue with a damp cloth.
16. Remove all wedges and apply a 10mm deep skirting board so as to fully cover the space allowed for the dilation of the panels.

### **3.04 MAINTENANCE**

A. Cleaning: Sweep or vacuum floor frequently to avoid build-up of abrasive particles. Regular mopping is also suggested to keep the floor surface free of dirt and grit. Use a WELL wrung out damp mop (using either just water, or a mixed solution of vinegar and water – one cup of vinegar per gallon of water). If the cleaning solution you are using does not evaporate within minutes, you are using too much.

B. Spills: Clean up spills and excess water immediately. Never flood the floor surface with any liquid or use harsh abrasive cleaners.

C. Furniture: Furniture foot pads are recommended to prevent indentations in the tiles.

D. Entrance Mats: Entrance mats are recommended in order to keep dirt and moisture from coming in contact with the floor. Do not allow a moisture saturated floor mat to remain on the cork floor.

E. Refinishing: Cork floor tiles may be refinished. When the floor starts to show a traffic pattern and signs of wear, the surface of the floor must be recoated with a high quality water based urethane. Follow the finish manufacturer's instructions. Under normal conditions, the protective coating should last at least 5 years for light commercial traffic or 15 years for residential applications. It is the responsibility of the owner to judge when the floor needs recoating. Most cork decorative patterns are made of thin veneer laminated to a cork base. Failure to maintain the finish could result in irreparable damage. A reapplication of urethane will make the floor look new again and prolong its lifespan. Clean in accordance to Manufacturer's Maintenance Recommendations

### **3.05 PROTECTION**

A. Cover installed flooring with heavy kraft-paper or other suitable covering. Do not use non-breathable sheet or film that could cause condensation to form. Maintain covering throughout remainder of construction period.

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

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