

CSI Spec. - Ceramicork Glue-down Tiles (09650)

PREFINISHED CERAMICORK™ GLUE-DOWN TILES

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/DISTRIBUTOR

- A. Sustainable Flooring
4390 Pali Way
Boulder, CO 80301

Tel: (303)544-6076

e-mail: info@sustainableflooring.com

Web-site: <http://www.sustainableflooring.com>

1. Cork Tile – A solid cork tile made with a decorative veneer laminated to a conglomerated cork base.

a. Styles:

1. Basalt
2. Breccia
3. Glacial
4. Gravel
5. Igneous
6. Layers – Cocoa
7. Lava
8. Light Lava
9. Patchwork
10. Patchwork- Latte
11. Sediment
12. Sinuosity
13. Stacks
14. Stacks – Leche
15. Tectonic
16. Volcanic

C. Substitutions: None Permitted.

2.02 MATERIALS

A. Cork Flooring:

1. Species: Quercus Suber (Cork Oak)
2. Size:
 - a. Tile (Standard): 300mm x 600mm x 6mm (approx. 12" x 24" x 1/4")
 - b. Tile (Custom/special order): 300mm x 300mm x 6mm (12" x 12" x 1/4")
 - c. Tile (Custom/special order): 450mm x 600mm x 6mm (18" x 24" x 1/4")
3. Edge: Square-edged
4. Finish: Nano-ceramic urethane
(Note: Unfinished tiles also available via 'special order')
5. Physical Property Performance Requirements:
 - a. Density: ≥ 700 kg/m³
 - b. Fire-resistance (as per EN 13501-1): Class Efl
 - c. Slip Resistance (as per EN 13893): Class DS
 - d. Formaldehyde Emissions (as per DIN EN 717-1): E1
 - e. Pentachlorophenol (PCP) content: PCP-free
 - f. Impact Sound Reduction (as per ISO 140-8): 15 dB
 - g. Step Sound (as per NF S 31 074): 76 dB
 - h. Thermal Resistance (as per EN 12667): ≤ 0.15 m²k/W
 - i. Thermal Conductivity (as per EN 12667): ≤ 0.1 W/mk
 - j. Castor Chair (as per EN 425): no visual affect after 25,000 cycles

B. Installation Adhesives:

1. Loba Wakol D3540

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 m²) 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. Installation Precautions:

1. Avoid installing Ceramicork tiles in any areas with excessive subfloor moisture (i.e. below grade basements, freshly poured concrete, uncured leveling compounds, etc.). It is the responsibility of the installer to test for elevated moisture. When using leveling compounds, complete drying of compound is critical for proper adhesion.
2. Concrete needs to be below 3 lbs Calcium Chloride or 75% RH. If concrete has potential of taking on moisture in future (and/or there are concerns with capillary action), the slab must be sealed prior to installation of the Ceramicork tiles. Even though the initial dry for the recommended adhesive may be a few hours, the complete drying and curing time of these compounds can take 24 hours or more. It is, therefore, important to read the manufacturer's instructions carefully. **Color Variation:**

B. Subfloor Preparations:

1. Proper preparation of the subfloor is essential for the successful installation of cork floor tile. Remove paint, wax or any other substance that may prevent proper bonding. All subfloors must be smooth, dry, clean and free of dirt, grease, wax or anything that would hinder a good bond. Subfloors must be level and moisture free. For existing wood floors and installation on top of them, use a paint or varnish remover, then scrub with tri-sodium phosphate. Once completed, wash, rinse and dry the subfloor to

remove any potential contaminants that could affect adhesion. It may be necessary in certain instances to machine sand the subfloor in an effort to make it suitable for cork tile installation.

2. Wood Floors must be leveled and all cracks filled with a wood filler or similar material. The floor should then be sanded to assure uniformity. If conditions require, existing floors may be covered with 3/8 or 1/2 inch plywood with both sides finished. Plywood must be securely anchored.
3. Concrete floors (new or existing) must be leveled with latex fill as needed. Prime the concrete with standard concrete primer. **NOTE:** *We do not recommend installing cork floor tile on or below the grade, unless precautions are taken to guarantee that moisture will not penetrate through the subfloor.*
4. If installing on existing vinyl or other smooth surfaces, rough up surfaces to ensure adhesive bond. Existing vinyl and sheet goods subfloors must be in good condition, firm and clean.

C. Ceramicork™ Glue-down Tile Installation:

1. Remove cork tiles from packaging materials and place open tiles in the room where installation will take place for 48 hours prior to installation. Temperature should be between 60°F and 70°F (15°C and 21°C) with normal levels of humidity during this period as well as during subsequent installation.
2. Follow the manufacturer's laying instructions for application of adhesives. See attached application and installation instructions for Wakol D 3540. Follow per manufacturers recommendation, supplementing the procedure where applicable with these instructions.
3. Carefully roll tiles with a standard 100 or 150 pound tile roller. Tiles should be rolled a minimum of four times in each direction. To clean excess adhesive from tiles after installation, use a damp cloth if the adhesive is wet or mineral spirits if it is dry.
4. Tiles may be cut with a linoleum or utility knife. Be sure knife is sharp.
5. After installation, restrict heavy traffic for 24 hours or more, again following manufacturer's adhesive instructions.
6. If you opted for "sanded" (or unfinished) tiles, a urethane or flooring wax can be applied on tiles immediately following installation. Follow the manufacturer's instructions.
7. In areas that are high traffic or prone to the presence of water, it is further suggested that if prefinished tiles are used, another coat (or two) of water-based polyurethane suitable for use with the finish applied on the product ordered, is recommended, as this tends to seal the seams and joints between the tiles. Screen (lightly sand), and recoat

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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