

Sustainable Flooring's CSI Spec. for Comcork™

PREFINISHED COMCORK™ FLOOR PLANKS

PART 1 – GENERAL INFO

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Use of low-VOC and E1 Compliant adhesives and finishes in manufacturing of all products.
- b. Minimum five years' experience in manufacturing and distributing cork flooring materials.

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: 15 year Commercial Warranty 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 Plank – A cork panel floor system comprised of 3 independent layers laminated together: a 100% granulated cork acoustical underlayment layer on the bottom, a water-resistant HDF (High Density Fiberboard) core layer, and a wear surface of granulated and veneered cork.

a. Styles:

1. Barley
2. Barley Latte
3. Barley Mocha
4. Barley Honey
5. Chardonnay

C. Substitutions: None Permitted.

2.02 MATERIALS

A. Cork Flooring:

1. Species: Quercus Suber (Cork Oak)
2. Size: 300mm x 900mm x 10.5mm (approx. 12" x 36" x 7/16")
3. Edge Profile: Unilin 2G (square-edged, interlocking tongue and groove)
4. Finish: nano-particle urethane on vinyl
5. Physical Property Performance Requirements:
 - a. Density (nominal value): 1310-1410 kg/m³
 - b. Fire-resistance (as per EN 13501-1): Class C(fl-sI)
 - 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. IIC Impact Insulation Class (as per ASTM E492/E989): 75 dB
 - g. Impact Sound Reduction: 16 dB (ΔL_w)
 - h. STC Classification Rating (as per ASTM E90/E413): 66 dB
 - i. Thermal Resistance (as per ASTM C177): 0.097 m²k/W
 - j. Thermal Conductivity (as per ASTM C177): 0.112 W/mk
 - k. Castor Chair (as per EN 425): no visual affect after 25,000 cycles

B. Installation Adhesives:

1. "Glue-down" Installation: Loba Wakol D3540
2. "Floating" Installation: no glue needed

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, in a space that has been at equilibrium for at least a week prior (see Installation Instructions for particulars)

B. Substrate: Fix the substrate so that all bumps and depressions are completely leveled for the 'glue-down' application, and ensure bumps and depressions are less than 1/8" over 8 feet for the 'floating' installation applications.

C. Moisture barrier protection: Ensure a suitable 'moisture/vapor' barrier is installed between the substrate and flooring material (see Installation Instructions for particulars)

3.03 INSTALLATION

A. 'Floating' Installation Method:

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 1/2" between the panels and the wall.
4. Begin first row with a complete panel.
5. Begin placing the panels so that the 'tongue' (male) side of the panel 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 minimum of ¾" deep skirting board so as to fully cover the space allowed for the expansion/contraction of the panels.

B. 'Glue-down' Installation Method:

Storage and Handling: Store the opened planks at room temperature for at least 72 hours prior to installation, at a consistent level where the Relative Humidity and Temperature will prevail when the building occupied. The operating conditions must be held between 65-82° and between 35-65% Relative Humidity – before, during, and after the installation.

1. Before laying the floor ensure the material being installed is within parameters (color, clarity, finish, etc.), as well as ensure that the subfloor and site conditions are as required. If any of these conditions are not met, immediately stop in the installation process, and either contact your supplier, or the party in charge of and overseeing the installation site.

2. Cut all doorframes 2mm above the finished (ie: installed) product height (to allow for the movement of the floor).

3. Visually determine where you will start the installation, and the direction you will run the planks. Generally, it is common to lay the planks following the direction of the light.

4. Apply adhesive (recommended: Loba Wakol D3540) using a roller to subfloor, as well as the back of the planks. Follow adhesive manufacturer's directions for use (inclusive of set time, cure time, clean-up, etc.).

5. Once the adhesive is completely dry (tacky to the touch – and transparent; often between 45-60 minutes), you can begin laying the panels.

6. Lay the planks in a random or predetermined stagger pattern, pressing the tiles in place with either a rubber mallet or hand roller once it is positioned in the right spot.

7. Throughout the process, and then once again after all the planks are installed, roll the floor with a 100 lb. roller – to ensure all edges and seams have effectively bonded to the substrate.

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 panels 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 that effectively bonds to the exposed surface coating on the Comcork planks. Follow the finish manufacturer's instructions. Under normal conditions, the protective coating should last at least 15 years in a commercial setting, or 25 years in a residential application. It is the responsibility of the owner to judge when the floor needs recoating. 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:

Sustainable Flooring
4390 Pali Way
Boulder, CO 80301
Ph: (303) 544-6076
Fax: (303) 447-0491
Email: info@sustainableflooring.com
Web: www.sustainableflooring.com