

ComCORK™ Flooring - CSI Specs

PREFINISHED ComCORK™ FLOORING 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: 10 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 Materials
5403 Western Ave #C
Boulder, CO 80301

Tel: (720) 449-3063
e-mail: info@sustainablematerials.com
Web-site: <http://www.sustainablematerials.com>

1. ComCORK™ Flooring – A resilient, natural cork plank comprised of 3 independent layers laminated together: a 100% recycled granulated cork acoustical underlayment layer as the base, a water-proof recycled component cork core substrate, and a conglomerated cork top made with natural cork veneer.

a. Styles:

1. Barley Natural
2. Barley Brown
3. Barley Espresso
4. Barbera Natural
5. Barbera Dawn
6. Chardonnay
7. Forest Floor
8. Petrified Forest
9. Jungle Light
10. Jungle Medium

C. Substitutions: None Permitted.

2.02 MATERIALS

A. ComCORK™ Flooring:

1. Species: Quercus Suber (Cork Oak)
2. Size: 190mm x 1225mm x 7.0mm (approx. 7-1/2" x 48-1/4" x 9/32")
3. Edge Profile: Unilin® 2G (interlocking tongue and groove)
4. Finish: High-elastic, nano-particle urethane
5. Physical Property Performance Requirements:
 - a. Fire-resistance (as per EN 13501-1): Class C(fl-sI)
 - b. Slip Resistance (as per EN 13893D): Class S
 - c. Formaldehyde Emissions (as per DIN EN 717-1E): E1
 - d. Pentachlorophenol (per EN 14041 Annex B / PCP): PCP-free
 - e. IIC Impact Insulation Class (as per ASTM E492/E989): 65 dB
 - f. Impact Sound Reduction (as per EN 10140-3) 18 dB (ΔL_w)
 - g. STC Classification Rating (as per ASTM E90/E413): 60 dB
 - h. Thermal Resistance (as per EN 12667): 0.06 m²k/W
 - i. Thermal Conductivity (as per EN 12667): 0.111 W/mk
 - j. Castor Chair (as per EN 425): no visual effect after 25,000 cycles
 - k. Dimensional Stability (as per EN ISO 23999): less than 0.15%
 - l. Radiant Flux (as per ASTM E648-19A): .62 / Smoke Density: 645

B. Installation Adhesives:

1. "Glue-down" Installation Only: Taylor Resolute

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates upon which flooring will be installed.

1. Verify that the 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 the 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. Follow Taylor Resolute glue down installation instructions for spread rate and trowel size.
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 to fully cover the space allowed for the expansion/contraction 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 pads should be placed under fixture legs to prevent indentations in the planks.

D. Entrance Mats: Entrance mats are recommended 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 10 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 the remainder of construction period.

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

Sustainable Materials
5403 Western Ave #C
Boulder, CO 80301
Ph: (720) 449-3063
Email: info@sustainablematerials.com
Website: <http://www.sustainablematerials.com>