



RESILIENT CORK TILE FLOORING WITH HARDWAX OIL FINISH Architectural Specification

PART 1 – GENERAL

1.1. Description.

- a. This document specifies a parquet tile floor made of 100% high-density cork.
- b. General contractor shall provide suitable concrete or wood subfloor level to tolerance of 1/8" in 10'0" radius, subject to approval of installer (Flooring Contractor). Subfloor shall be free of dust, soils, coatings and sealers. subfloor shall be tested for moisture and shall not exceed Duro-Design Cork guidelines Labor and materials necessary to put subfloor in acceptable condition shall be the responsibility of the general contractor.

1.2. Quality Assurance.

- a. Cork parquet tile shall be solid cork composition throughout entire thickness, Cork parquet tile shall be free of polyvinylchlorides (PVC's).
- b. Complete installation of flooring system shall be carried out by experience installer (flooring contractor), and work shall be performed in accordance with most recent installation instructions of manufacturer. Installer (flooring contractor) shall be liable for matters related to installation for period of one year after floor has been substantially installed and completed.

1.3 Working conditions.

- a. If installing on a concrete slab, it must be cured a minimum of 28 days and dry. Flooring must not be installed if vapor pressure exceeds 3 lbs. per 1000 square feet in 24 hours as tested according to ASTM F 1869 (calcium chloride test method). Preferably the slab should be tested according to ASTM F 2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probes) Flooring must not be installed if the relative humidity inside of the concrete slab exceeds 75%.
- b. Do not deliver or install cork parquet tiles until trowel trades are complete; building is enclosed and weather-tight; and permanent heating, air conditioning, ventilating and lighting are installed and operating.
- c. Store pre-glued cork parquet tiles on edge no more than three boxes high at job site in dry, well-ventilated area. During storage and installation, maintain temperature and relative humidity to level consistent with those conditions which will prevail when building is occupied. In most cases, this means maintaining temperature range of 60 degrees to 85 degrees Fahrenheit and relative humidity range of 50% to 70%. In order to reach this climate, use heating or air conditioning for appropriate length of time prior to beginning installation.



PART 2 – MATERIALS.

2.1 Flooring and Accessories.

- a. Pre-glued, pre-stained or natural, high-density (500 kg/m³) cork tiles, pre-finished with two coats of Hardwax Oil as manufactured by Duro-Design Cork Flooring – phone number 1-888-528-8518.
- b. Resilient tile shall be (example):

Manufacturer	Product	Size	Color	Pattern
Duro-Design	cork			

2.2 Installation Materials.

- a. Use ONLY 100% Portland cement-based patching compounds if subfloor patching is necessary.
- b. Duro-Design Contact Adhesive will be shipped with the tile.
- c. Provide clean, new short nap roller for application of Duro-Design contact adhesive.

PART 3 – EXECUTION.

3.1 Inspection.

- a. Inspect subfloor for proper finish, flatness and dryness. Report deficiencies to general contractor in writing.
- b. General contractor shall have subfloor swept and vacuumed.

3.2 Installation.

- a. Shuffle cork parquet tiles for best visual mix. Mix cork parquet tiles from various cartons to maintain natural color and pattern variation.
- b. **Installing the tiles.** Apply adhesive to the floor with a new short hair roller (3/8"nap) using a paint tray for the glue. You may coat the entire area or as much as you feel in one day. Wait a minimum 30 minutes for the adhesive to be dry. There should be a slight gloss on the floor. If the cement is very porous you may want to put 2 coats. Line up the edge of your squares with a guideline (4' to 6' straight edge) and set the cork down lightly. Only apply pressure when cork is aligned. Pressure will cause the cork to stick firmly and further movement will not be possible.



Play around with the flexibility of the cork to have as tight joint as possible to avoid gaps. Then go with the small hand roller, pressing down on all the joints. When using 12"x 24"format, tiles must be put in a staggered pattern (Ashlar pattern).

Additional Information

- Keep your floor clean. A clean floor will look better longer.
- The recommended adhesive is water based for easy clean up with water when still wet
- Keep adhesive at room temperature. DO NOT FREEZE.

3.3. Maintenance.

Necessary steps to protect a Cork Floor:

- To help eliminate fine particles of dirt/grit that act like sandpaper and will scratch any floor, vacuum or sweep daily.
- Spills should be wiped up immediately. Clean only with Oil Soap. One liter will do 80 washes- pour 50-100ml in 10 liters of water and clean with a damp mop.
- Use walk-on mats at entrance doors. Avoid rubber backed or other non-ventilated mats or rugs.
- Install proper protectors under feet of furniture. Caster wheeled chairs should have wide casters, preferably neoprene. Periodically check floor for signs of wear.
- Observe re-finishing maintenance schedule and re-oil the cork when high-traffic areas begin to show signs of wear.

Maintenance supplies: Provide 5% of the total number of tiles to the Owner, well wrapped and clearly labeled.

3.4. Repair.

- a. Repair or replace deflection work as directed by the Architect. All chipped, scratched, unlevelled, or other defective work will be repaired or replaced. Repairs shall be undetectable.
- b. Securely protect floor from damage by traffic or further construction work.