

## SECTION 09 72 13 - CORK WALL COVERING

### PART 1 GENERAL

#### 1.1 SUMMARY

##### A. SECTION INCLUDES:

1. Cork wall covering
2. Adhesives

#### 1.2 REFERENCES

##### A. American Society for Testing and Materials (ASTM):

1. ASTM C-423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
2. ASTM C-518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
3. ASTM D2047 - Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine.
4. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
5. ASTM E413 - Classification for Rating Sound Insulation.
6. ASTM F137 - Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus.
7. ASTM F141 - Standard Terminology Relating to Resilient Floor Coverings
8. ASTM F386 – Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces
9. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
10. ASTM F925 - Standard Test Method for Resistance to Chemicals of Resilient Flooring.
11. ASTM F970 - Standard Test Method for Static Load Limit.
12. ASTM F1482 – Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring.
13. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
14. ASTM F1914 - Standard Test Methods for Short-Term Indentation and Residual Indentation of Resilient Floor Covering.
15. ASTM F2055 – Standard Test Method for Size and Squareness of Resilient Floor Tile
16. ASTM F2199 - Standard Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat.
17. ASTM F3008 – Standard Specification for Cork Floor Tile

##### B. State of California (CA)

1. CA Section 01350 – Special Environmental Requirements (Indoor Air Quality)

##### C. California Department of Public Health (CDPH)

1. CDPH Standard Method v 1.2 - Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers
  - D. California High Performance Schools (CHPS)
    1. CHPS Section 01350 - Low-Emitting Materials Criteria for Use in Classrooms.
  - E. European Committee for Standardization (CEN)
    1. European Norms (EN)
      - a. EN 434 – Resilient Floor Coverings – Determination of Dimensional Stability and Curling after Exposure to Heat
  - F. International Organization for Standardization (ISO)
    1. ISO 4918 – Resilient, Textile and Laminate Floor Coverings – Castor Chair Test
    2. ISO 24338 – Laminate Floor Coverings – Determination of Abrasion Resistance
  - G. Living Building Challenge (LBC)
    1. LBC Chemical Red List Version 3.0.
  - H. National Fire Protection Association (NFPA)
    1. NFPA 80 – Fire Safety Code.
    2. NFPA 253 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
    3. NFPA 255 - Standard Test Method for Surface Burning Characteristics of Building Materials.
    4. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.
  - I. Resilient Floor Covering Institute (RFCI)
    1. Recommended Work Practices for Removal of Resilient Floor Coverings
- 1.3 SUBMITTALS
- A. General: Submittals must be submitted the under provisions of Section 01300.
  - B. Product Data: Manufacturer's published documents on each product to be used, including:
    1. Storage and handling requirements.
    2. Installation instructions and initial maintenance instructions per Technical Data Sheets.
    3. Maintenance and initial finish application instructions per Care & Maintenance documents.
  - C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
  - D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square or one full tile, representing actual product, color, and patterns.
- 1.4 SUSTAINABILITY REQUIREMENTS
- A. CA Section 01350 / CHPS Section 01350
    - a. Provide building materials that comply with CA Section 01350 and CHPS Section 01350 when tested in accordance with CDPH Standard Method v 1.2.
    - b. Provide test data or third party certification that confirms compliance.

- B. LBC Chemical Red List 3.0
  - a. Provide building materials that are Red List Free in accordance the LBC Chemical Red List 3.0.
  - b. Provide full material disclosure or third party certification that confirms compliance.

**1.5 QUALITY ASSURANCE**

- A. Cork Tile
  - 1. Cork tile is a natural product – as such, shade and color variations are inherent.
- B. Qualifications:
  - 1. Installer Qualifications: Installer must be a professional, licensed and experienced installer. Installer must have familiarity with both the type, size and format of the product.
  - 2. Manufacturer's Qualifications: Manufacturer must provide remote and field technical support and service prior to, during and following installation, as necessary.
- C. Mock-Up:
  - 1. Provide a mock-up for evaluation of product, surface preparation techniques and installation workmanship.
  - 2. Do not proceed with remaining work until size, color, thickness, sheen and workmanship are approved by Architect, End-User and/or other stakeholders.
  - 3. Maintain mock-up area as required in accordance with Care & Maintenance documents to produce acceptable work.

**1.6 DELIVERY HANDLING & STORAGE**

- A. Ordering: Comply with manufacturer's ordering and lead time requirements to avoid construction delays.
- B. Storage: Store products in climate controlled space (65° F (19° C) - 85° F (30° C), 45% - 55% RH) for at least 72 hours prior to installation. Keep products in manufacturer's unopened packaging until ready for installation (except for rolled goods).
- C. Acclimation: Rolled goods must be unrolled and allowed to relax and acclimate for 24 hours prior to installation.

**1.7 PROJECT CONDITIONS**

- 1. Environmental Conditions: Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer in accordance with product technical data sheets. Do not install products under environmental conditions outside manufacturer's absolute limits.

**B. WARRANTY**

- 1. Project Warranty: Refer to Conditions of Contract for project warranty provisions.
- 2. Manufacturer's Commercial Warranty: 1860 shall be warranted for ten years for material or manufacture defects.

**PART 2 PRODUCTS****2.1 PRODUCT MANUFACTURERS**

- A. Acceptable Manufacturer:
  - 1. Capri Collections

215 Bucky Drive  
Lititz, PA 17543  
P: 800.492.2613  
E: sales@capricollections.com  
Web: www.capricollections.com

**2.2 SUBSTITUTIONS**

**\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 01 section on product options and substitutions.**

- A. Substitutions: Not permitted.
- B. Requests for substitutions will be considered in accordance with provisions of Division 01.

**2.3 PRODUCT DIMENSIONS**

- A. Product: Capri 1860 Cork Wall Tile
- B. Inside/Outside Pattern Tile Sizes (all sizes nominal):  
**\*\* NOTE TO SPECIFIER \*\* Delete sizes not required.**
  - 1. 23.6 inches by 35.4 inches by 1.3 inches (900 mm x 600 mm x 35 mm)
- C. Stacked Pattern Tile Sizes (all sizes nominal):  
**\*\* NOTE TO SPECIFIER \*\* Delete sizes not required.**
  - 1. 23.6 inches by 35.4 inches by 1 inches (900 mm x 600 mm x 25 mm)

**2.4 PRODUCT COLOR**

- A. Inside Pattern  
**\*\* NOTE TO SPECIFIER \*\* Delete colors not required.**
  - 1. Chalk
  - 2. Timber
  - 3. True Blue
  - 4. Zinc
- B. Outside Pattern  
**\*\* NOTE TO SPECIFIER \*\* Delete colors not required.**
  - 1. Natural
  - 2. Titanium
  - 3. White
- C. Stacked Pattern  
**\*\* NOTE TO SPECIFIER \*\* Delete colors not required.**
  - 1. Hewn
  - 2. Jet

**2.5 PHYSICAL CHARACTERISTICS**

- 1. EN 434 – Curling: Passes, <6mm
- 2. ASTM F2199 – Dimensional Stability: <0.05 in. change
- 3. ISO 24338 - Passes
- 4. ASTM F925 – Chemical Resistance:
  - a. White vinegar (5% Acetic Acid) - Passes.
  - b. Rubbing Alcohol (70% Isopropyl Alcohol) - Passes.
  - c. Hydrochloric Acid (5% HCl) - Passes.
  - d. Household Ammonia (5% Ammonia) - Passes.

- e. Disinfectant Cleaner (5% Active Phenol) - Passes.
  - f. Household Bleach (5.25% NaOCl) - Passes.
  - g. Unleaded Gasoline - Passes.
  - h. Kerosene - Passes.
  - i. Olive Oil - Passes.
  - j. Coffee – Passes.
- B. ASTM E84 (NFPA 286) – Flammability - Stacked Pattern: Class B, 26 - 75
  - C. ASTM E84 (NFPA 286) – Flammability - Inside/Outside Pattern: Class C, 76 - 200
  - D. ASTM C423 – Noise Reduction: NRC 0.25, SAA 0.28

#### 2.6 PRODUCT ADHESIVE

**\*\* NOTE TO SPECIFIER \*\* Adhesive is not optional.**

- A. Only Capri Collections approved adhesives shall be used when installing 1860.
  - 1. Gold Series WC 1000 Water-Based Cork Contact Adhesive

### PART 3 EXECUTION

**\*\* NOTE TO SPECIFIER \*\* Revise articles below to suit specific project requirements.**

#### 3.1 MANUFACTURERS INSTRUCTIONS

- A. Compliance: Review and comply with manufacturer's technical data sheets, care & maintenance documents, warranty information, technical bulletins and written specifications.

#### 3.2 EXAMINATION

- A. Site Verification of Conditions:
  - 1. Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's technical data.
  - 2. Do not begin installation until all substrates have been properly tested and prepared in accordance with Capri 1860 technical data sheets and applicable ASTM standards.
  - 3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

#### 3.3 PREPARATION

- A. Cleaning: Clean surfaces thoroughly prior to installation.
- B. Substrate Preparation: Prepare surfaces in accordance with substrate preparation requirements published in Capri 1860 technical data sheets.

#### 3.4 INSTALLATION

- A. Installation: Install materials in accordance with installation instructions published in Capri 1860 technical data sheets.
- B. Traffic Limits: No traffic, cleaning, finishing or placement of furniture should occur in accordance with adhesive traffic limits published in adhesive technical data.
- C. Initial Maintenance: Once traffic limits have lapsed, perform initial maintenance in accordance with initial maintenance instructions published in Capri 1860 technical data sheets and care & maintenance documents.

#### 3.5 MAINTENANCE

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**1860**  
CSI SPECIFICATION

- A. Daily Maintenance: Long-term care and maintenance must be performed in accordance with daily and routine maintenance instructions published in Capri 1860 care & maintenance documents.

### **3.6 PROTECTION**

- A. Temporary Protection: Protect installed products until completion of project in accordance with material protection requirements published in Capri 1860 technical data sheets and care & maintenance documents.
- B. Repair: Touch-up, repair or replace damaged products prior to Substantial Completion.

**END OF SECTION**