**SECTION 09 06 48 - CORK FLOORING**

1. **GENERAL**
	1. SUMMARY
		1. SECTION INCLUDES:
			1. Cork floor tile
			2. Adhesives
			3. Finishes
		2. RELATED SECTIONS
			1. Section 03300 - Cast-In-Place Concrete Floor substrate requirements.
			2. Section 06200 - Rough Carpentry: Floor substrate requirements.
	2. REFERENCES
		1. American Concrete Institute (ACI):
			1. ACI 302.2R - Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials
		2. American Society for Testing and Materials (ASTM):
			1. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
			2. ASTM E662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
			3. ASTM F137 - Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus.
			4. ASTM F141 - Standard Terminology Relating to Resilient Floor Coverings
			5. ASTM F386 – Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces
			6. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
			7. ASTM F925 - Standard Test Method for Resistance to Chemicals of Resilient Flooring.
			8. ASTM F970 - Standard Test Method for Static Load Limit.
			9. ASTM F1482 – Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring.
			10. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
			11. ASTM F1914 - Standard Test Methods for Short-Term Indentation and Residual Indentation of Resilient Floor Covering.
			12. ASTM F2055 – Standard Test Method for Size and Squareness of Resilient Floor Tile
			13. ASTM F2199 - Standard Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat.
			14. ASTM F3008 – Standard Specification for Cork Floor Tile
		3. State of California (CA)
			1. CA Section 01350 – Special Environmental Requirements (Indoor Air Quality)
		4. 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
		5. California High Performance Schools (CHPS)
			1. CHPS Section 01350 - Low-Emitting Materials Criteria for Use in Classrooms.
		6. Declare™
			1. Product material disclosure labeling program.
		7. International Organization for Standardization (ISO)
			1. ISO 4918 – Resilient, Textile and Laminate Floor Coverings – Castor Chair Test
		8. Living Building Challenge (LBC)
			1. LBC Chemical Red List Version 3.1.
		9. 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.
		10. Resilient Floor Covering Institute (RFCI)
			1. Recommended Work Practices for Removal of Resilient Floor Coverings
		11. Underwriters Laboratories (UL) Environment
			1. UL 410 – Slip Resistance of Floor Surface Materials
			2. Certified Body of GreenGuard Gold Indoor Air Quality / VOC Emissions Certification.
	3. SUBMITTALS
		1. General: Submittals must be submitted the under provisions of Section 01300.
		2. 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.
		3. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		4. 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.
	4. SUSTAINABILITY REQUIREMENTS
		1. CA Section 01350 / CHPS Section 01350
			* 1. Provide building materials that comply with CA Section 01350 and CHPS Section 01350 when tested in accordance with CDPH Standard Method v 1.2.
				2. Provide test data or third party certification that confirms compliance.
		2. LBC Chemical Red List 3.1
			* 1. Provide building materials that are Red List Free in accordance the LBC Chemical Red List 3.1.
				2. Provide full material disclosure or third party certification that confirms compliance.
	5. QUALITY ASSURANCE
		1. Cork Tile
			1. Cork tile is a natural product – as such, shade and color variations are inherent.
		2. 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.
		3. 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.
	6. DELIVERY HANDLING & STORAGE
		1. Ordering: Comply with manufacturer’s ordering and lead time requirements to avoid construction delays.
		2. 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).
		3. Acclimation: Rolled goods must be unrolled and allowed to relax and acclimate for 24 hours prior to installation.
	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.
		1. WARRANTY
			1. Project Warranty: Refer to Conditions of Contract for project warranty provisions.
			2. Manufacturer’s Commercial Warranty: Mediterra 2.0 shall be warranted for ten years for material or manufacture defects.
2. **PRODUCTS**
	1. PRODUCT MANUFACTURERS
		1. Acceptable Manufacturer:
			1. Capri Collections

215 Bucky Drive

Lititz, PA 17543

P: 800.492.2613
E: sales@capricollections.com

Web: www.capricollections.com

* 1. SUBSTITUTIONS

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

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Division 01.
	1. PRODUCT DIMENSIONS

\*\* NOTE TO SPECIFIER \*\* Delete sizes not required.

* + 1. Product: Capri Mediterra 2.0 Cork Tile as manufactured by Capri Collections.

Standard Sizes

* + - 1. 12 inches by 24 inches by 3/16 inch (305 mm by 610 mm by 4.8 mm).\* All STANDARD colors.
			2. 12 inches by 12 inches by 3/16 inch (305 mm by 305 mm by 4.8 mm) Standard colors: Light, Medium, Dark, Blocks, Cable, Dark, Light, Tumbled.

Non-Standard Sizes (1080 sf minimum per color and lead time will apply)

* + - 1. 12 inches by 12 inches by 3/16 inch (305 mm by 305 mm by 4.8 mm) All colors other than Blocks, Cable, Dark, Light, Medium, Tumbled.
			2. 24 inches by 24 inches by 3/16 inch (610 mm by 610 mm by 4.8 mm)
			3. 5.91 inches by 23.62 inches by 3/16 inch (150 mm by 600 mm by 4.8 mm)
			4. 11.81 inches by 35.43 inches by 3/16 inch (300 mm by 900 mm by 4.8 mm)
			5. 12 inches by 12 inches by 5/32 inch (305 mm by 305 mm by 4 mm)
			6. 12 inches by 24 inches by 5/32 inch (305 mm by 610 mm by 4 mm)
			7. 11.81 inches by 35.43 inches by 5/32 inch (300 mm by 900 mm by 4 mm)
			8. 12 inches by 12 inches by 5/16 inch (305 mm by 305 mm by 8 mm)
			9. 12 inches by 24 inches by 5/16 inch (305 mm by 610 mm by 8 mm)
			10. 24 inches by 24 inches by 5/16 inch (610 mm by 610 mm by 8 mm)
			11. 5.91 inches by 23.62 inches by 5/16 inch (150 mm by 600 mm by 8 mm
			12. 11.81 inches by 35.43 inches by 5/16 inch (300 mm by 900 mm by 8 mm)
	1. PRODUCT COLORS
	 \*\* NOTE TO SPECIFIER \*\* Delete colors not required.

Standard Colors

* + - 1. Acorn GD2655C
			2. Anchor GD2652C
			3. Blocks GD2606V
			4. Cable GD2607V
			5. Chestnut GD2656C
			6. Dark GD2602H
			7. Jumble GD2604H
			8. Light GD2600H
			9. Maize GD2654C
			10. Medium GD2601V
			11. Olive GD2658C
			12. Pick-Up Strips Light GD2603H
			13. Platinum GD2651C
			14. Rapids GD2653C
			15. Sea Salt GD2650C
			16. Small Strips GD2605H
			17. Taupe GD2657C
			18. Tea Leaves GD2659C
			19. Tumbled GD2608V

Non-Standard Colors (1080 sf minimum per color and lead time will apply)

* + - 1. 2Stuco GD2609V
			2. Cabernet GD2660C
			3. Dark Tracks GD2611H
			4. Fresco GD2618H
			5. Light Tracks GD2614H
			6. Mélange GD2610H
			7. Mulch GD2613V
			8. Pathways GD2615V
			9. Pick Up Strips Dark GD2616H
			10. Port GD2621C
			11. Rosewood GD2662
			12. Sunset GD2663C
			13. Terrain GD2612H
			14. Billows Ash GD3545
			15. Billows Brown GD3540
			16. Billows Current GD3590
			17. Billows Ore GD3575
			18. Broken Lines GD3575
			19. Channel GD3565
			20. Channel White GD3570
			21. ECC Chestnut GD3550
			22. Gray Wash GD3580
			23. Plateau GD3501
			24. Rugged GD3505
			25. Sable GD3595

 \*H = Homogeneous / V = Veneer / C = Colours

* 1. PHYSICAL CHARACTERISTICS
		1. ASTM F3008 – Cork Tile
			1. EN 434 – Curling: Passes, <6mm
			2. ASTM F137 – Flexibility: Passes
			3. ISO 4918 – Castor Chair Test - Passes
			4. ASTM F970 – Static Load Limit: Passes, 250 lbs.
			5. ASTM F1914 – Residual Indentation: Passes, <8%
			6. ASTM F2199 – Dimensional Stability: Passes, <0.05 in. change
			7. ASTM F925 – Chemical Resistance:
				1. White vinegar (5% Acetic Acid) - Passes.
				2. Rubbing Alcohol (70% Isopropyl Alcohol) - Passes.
				3. Lye (5% Sodium Hydroxide) - Passes.
				4. Hydrochloric Acid (5% HCI) - Passes.
				5. Sulfuric Acid (5%H2SO4) - Passes.
				6. Household Ammonia (5% Ammonia) - Passes.
				7. Disinfectant Cleaner (5% Active Phenol) - Passes.
				8. Household Bleach (5.25% NaOCl) - Passes.
				9. Unleaded Gasoline - Passes.
				10. Kerosene - Passes.
				11. Olive Oil - Passes.
		2. ASTM E648 (NFPA 253) – Class II, 0.22-0.44 W/cm2
		3. ASTM E662 (NFPA 258) – Smoke Density: Passes, <450
		4. UL 410 – Slip Resistance: >0.7 (wet), >0.5 (dry)
	2. ACCESSORIES
		1. Matching and compatible moldings and accessories are available through Capri Collections.
	3. PRODUCT FINISH

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Only Capri Collections approved floor finishes shall be used when installing Mediterra 2.0.
			1. Site-Applied Urethane Finish: Loba 2K Supra AT Satin.
	1. PRODUCT ADHESIVE

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

* + 1. Only Capri Collections approved adhesives shall be used when installing Mediterra 2.0.
			1. Gold Series WC 1000 Water-Based Cork Contact Adhesive
1. **EXECUTION**

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

* 1. MANUFACTURERS INSTRUCTIONS
		1. Compliance: Review and comply with manufacturer’s technical data sheets, care & maintenance documents, warranty information, technical bulletins and written specifications.
	2. EXAMINATION
		1. 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 Mediterra 2.0 technical data sheets and applicable ASTM, ACI, NWFA and RFCI standards.
			3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	3. PREPARATION
		1. Cleaning: Clean surfaces thoroughly prior to installation.
		2. Substrate Preparation: Prepare surfaces in accordance with substrate preparation requirements published in Capri Mediterra 2.0 technical data sheets.
	4. INSTALLATION
		1. Flooring Installation: Install materials in accordance with installation instructions published in Capri Mediterra 2.0 technical data sheets.
		2. Traffic Limits: No traffic, cleaning, finishing or placement of furniture should occur in accordance with adhesive traffic limits published in adhesive technical data.
		3. Initial Maintenance: Once traffic limits have lapsed, perform initial maintenance in accordance with initial maintenance instructions published in Capri Mediterra 2.0 technical data sheets and care & maintenance documents.
	5. FINISH APPLICATION
		1. Initial Maintenance: Ensure surfaces have had initial maintenance performed in accordance with initial maintenance instructions published in Capri Mediterra 2.0 technical data sheets and care & maintenance documents.
		2. Cleaning: Clean surfaces thoroughly prior to finish application.
		3. Finish Application: Install finish in accordance with initial finish application instructions published in Capri Mediterra 2.0 technical data sheets and care & maintenance documents.
	6. MAINTENANCE
		1. Daily Maintenance: Long-term care and maintenance must be performed in accordance with daily and routine maintenance instructions published in Capri Mediterra 2.0 care & maintenance documents.
		2. Finish Reapplication: Site-applied finish that is improperly applied or damaged may require finish re-application in accordance with finish removal and reapplication instructions published in Capri Mediterra 2.0 care & maintenance documents.
	7. PROTECTION
		1. Temporary Floor Protection: Protect installed products until completion of project in accordance with flooring or material protection requirements published in Capri Mediterra 2.0 technical data sheets and care & maintenance documents.
		2. Repair: Touch-up, repair or replace damaged products prior to Substantial Completion.
		3. Permanent Floor Protection: Ensure furniture feet/bottom, glides and chair casters dimensions and materials are in accordance with floor protection requirements published in Capri Mediterra 2.0 care & maintenance documents prior to Substantial Completion.

**END OF SECTION**