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AVA SMPL CSI SPECIFICATION

SECTION 09 65 19 RESILIENT TILE FLOORING

PART 1. GENERAL

- 1.1 Section includes: Resilient plank tile floor covering and accessories.
- 1.2 Related requirements:
 - 1.2.1 Drawings and General Provisions of the Contract (including General and Supplementary Conditions and Division 1 References Section)
 - 1.2.1.1 Section 03: Concrete (subfloors)
 - 1.2.1.2 Section 06: Wood (subfloors)
- 1.3 REFERENCE STANDARDS
 - 1.3.1 ASTM International
 - 1.3.1.1 D 2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine
 - 1.3.1.2 E 648 Standard Test Method for Critical Radiant Flux of Flooring Systems Using a Radiant Energy Source
 - 1.3.1.3 E 662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
 - 1.3.1.4 F 710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
 - 1.3.1.5 F 970 Standard Test Method for Static Load Limit
 - 1.3.1.6 F 1482 Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring
 - 1.3.1.7 F 1700 Standard Specification for Vinyl Floor Tile
 - 1.3.1.8 F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In Situ Probes
 - 1.3.1.9 F 2419 Standard Practice for Installation of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface to Receive Resilient Flooring
- 1.4 OTHER REFERENCED DOCUMENTS, ASSOCIATIONS OR STANDARDS
 - 1.4.1 National Fire Protection Association (NFPA) 253: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Energy Source
 - 1.4.2 American Concrete Institute
 - 1.4.3 Resilient Floor Covering Institute
 - 1.4.4 American Plywood Association
- 1.5 ADMINISTRATIVE REQUIREMENTS
 - 1.5.1 Coordination: Install floor covering after finishing operations, including painting and ceiling operations, have been completed.



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- 1.5.2 Preinstallation Meetings: Meet to confirm project requirements, substrate conditions, manufacturer's installation instructions and warranty requirements in compliance with Division 1 requirements.
- 1.5.3 Sequencing: Do not install floor covering over concrete substrates until substrates have cured and are dry to bond with adhesive as determined using test methods specified in ASTM F710 and following adhesive manufacturer's instructions.
- 1.6 SUBMITTALS
 - 1.6.1 General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures.
 - 1.6.2 Product Data: For specified products, submit latest edition of product supplier's technical specifications data (available from www.avaflor.com).
 - 1.6.3 Samples: Submit selection and verification samples showing the required finishes, colors, designs, and textures for flooring, as well as samples of adhesives and applicable accessories such as underlayment, trim moldings, etc.
 - 1.6.4 Samples for verification of floor covering submit one full tile or plank per pattern, color or SKU.
 - 1.6.5 Test and Evaluation reports as required by Conditions of the Contract and Division 1 Regulatory Requirements Section, submit test certificates from an independent test laboratory showing compliance with specified performance characteristics and physical properties.
 - 1.6.6 Compatibility and adhesion test reports: Submit test reports confirming adhesive's effectiveness with the product(s) specified when adhesive products are not the Resilient Flooring manufacturer's branded products.
 - 1.6.7 Manufacturer Instructions: For specified products, submit latest editions of product supplier's installation and cleaning & maintenance instructions (available from www.avaflor.com).
 - 1.6.8 Warranty documentation: For specified products and accessories, submit product supplier's warranty documents (available from www.avaflor.com).
- 1.7 SUSTAINABILITY REQUIREMENTS
 - 1.7.1 AVA SMPL
 - 1.7.1.1 MR Credit – Building Product Disclosure and Optimization
 - 1.7.1.1.1 Environmental Product Declaration, Option 1
 - 1.7.1.1.2 Material Ingredients, Option 1 Health Product Declaration
 - 1.7.1.1.3 Material Ingredients, Option 2 REACH Certification
 - 1.7.1.2 EQ Credit – Low Emitting Materials
 - 1.7.1.2.1 Option 1 FloorScore® Certification (must be used with LEED Compliant adhesives)
- 1.8 QUALITY ASSURANCE
 - 1.8.1 Manufacturer: Manufacturer shall be ISO 9001, ISO 14001 and ISO 18001 certified.
 - 1.8.2 Installer: Installer shall have a minimum of five years of proven experience in performing work of this section and in installing vinyl floor covering similar to that required for this project and shall provide a minimum of three references for comparable systems and installations successfully performed by the installer within the last 18 months.



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- 1.8.3 Testing Agencies: Agencies shall be independent and qualified or certified to perform any necessary testing, including but not limited to concrete and moisture testing.
- 1.8.4 Concrete Moisture Test: Perform moisture tests according to ASTM F2170, Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In Situ Probes.
- 1.8.5 A diagram of the area showing the location and results of each test shall be dated and submitted to the architect, general contractor, and/or end user. If test results exceed the floor covering manufacturer's limits, installation shall not commence until results conform to limits.
- 1.8.6 Concrete pH Test: Perform pH tests on concrete. Readings below 7.0 and above 10.0 can adversely affect resilient flooring or adhesives, or both.
- 1.8.7 Surface porosity testing shall be performed on all concrete, gypsum and other surfaces to ensure proper installation is achieved.
- 1.8.8 Wood substrate: Reference Standard ASTM F1482, for details on wood underlayment requirements and manufacturer's requirements for acceptable wood underlayment panels.
- 1.9 DELIVERY, STORAGE, AND HANDLING
 - 1.9.1 General: Comply with Division 1 Product Requirements Section.
 - 1.9.2 Delivery and Acceptance Requirements: Comply with the product supplier's ordering and lead time requirements to avoid construction delays, and to allow material to acclimatize as required in the specified product's installation instructions. Accept delivery of materials only if they are in unopened, undamaged packaging that bears the name and brand of the manufacturer/product supplier, project identification, and shipping and handling instructions.
 - 1.9.3 Storage and Handling Requirements: Upon receiving floor covering, immediately remove from pallet and lay on a flat surface. Store tile or plank boxes no more than five boxes high. Store material -- including underlayment panels, patching or underlayment compound, floor covering material, adhesive, and welding rods -- in the original packaging (as delivered) in areas that are enclosed and weather tight with the permanent HVAC system set at a temperature of between 65°F and 80°F for a minimum of 48 hours prior to commencement of installation. In addition, comply with storage and handling requirements listed on product packaging, and described in the latest edition of the product's installation instructions (available from www.avaflor.com).

PART 2. PRODUCTS

- 2.1 Supplier: AVA by Novalis Innovative Flooring; distributed by Capri cork
email: sales@avaflor.com
website: www.avaflor.com.
- 2.2 Substitutions: no substitutions permitted.
[Specifier note: edit this paragraph to suit project requirements. If substitutions are permitted, edit text. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.]
- 2.3 Product Options
 - 2.3.1 AVA SMPL HPC Floating Plank
 - 2.3.1.1 Gauge: 6.5 mm (nominal)
 - 2.3.1.2 Wear layer: 0.5 mm (20.0 mil)
 - 2.3.1.3 Core Specification: 4.0 mm Rigid Solid Vinyl Core, 1050 KG/M³ Density
 - 2.3.1.4 Acoustical Backing: 1.0 mm Cork Underlayment
 - 2.3.1.5 Size: Planks: 5.74" x 47.74"



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- 2.3.1.6 Carton: Planks: 22.836 sq. ft.
- 2.3.1.7 Edges: Straight Edge
- 2.3.1.8 Installation Method: Floating /Triple Lock Locking Mechanism
- 2.3.1.9 Color SMPL Planks:
 - AO002H Alpine Oak Fog
 - AO005H Alpine Oak Khaki
 - BO002H Baltic Oak Taupe
 - BO003H Baltic Oak Suede
 - CO001H Carolina Oak Natural
 - CO002H Carolina Oak Honey
 - CO004H Carolina Oak Gunstock
 - EW001H European Walnut Chocolate
 - TO001H Tuscany Oak Snow
 - TO002H Tuscany Oak Mist
 - TO005H Tuscany Oak Steel
 - TO006H Tuscany Oak Wenge

2.3.1.10 AVA SMPL HPC construction is also available with any of the AVA DSGN, SNSE, STYL or SPRK colors/patterns for a minimum order of 4000 sf per color/patterns; lead times will apply.

2.4 Performance: Physical properties of AVA Planks and Tiles shall conform to the published technical specifications for each individual product. Technical data can be found at www.avaflor.com.

2.5 ACCESSORY PRODUCTS

2.5.1 Provide matching trims, moldings and reducing strips specifically designed for luxury vinyl flooring. Architect / Designer shall specify the type and color of each molding. Follow industry or manufacturer's guidelines for proper use and installation of all moldings.

2.5.2 Cleaning Products: Architect can specify per the latest edition of the maintenance instructions (available from www.avaflor.com).

PART 3. EXECUTION

3.1 EXAMINATION

3.1.1 Overall: Follow guidelines laid out in Division 01, Section 01 71 00 – Examination and Preparation as well as Section 01 43 00 – Quality Assurance.

3.1.2 Verification of Conditions: Inspect all substrates and subfloors for proper tolerances and dryness, and report any discrepancies to the general contractor in writing.

3.1.3 Pre-installation Testing: Verify that concrete testing per ASTM F710 has been conducted by an independent testing agency, and that results are within the adhesive and floor covering manufacturers' requirements.

3.1.4 Evaluation and Assessment: See the state requirements for the project location.

3.2 SURFACE PREPARATION

3.2.1 Follow guidelines laid out in Division 01, Section 01 71 00 – Examination and Preparation.

3.2.2 Prepare concrete substrates per ASTM F 710. All work required to put the concrete subfloor in acceptable condition shall be the responsibility of the general contractor. See the state requirements for the project location.

3.3 INSTALLATION



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- 3.3.1 Follow Division 01 relevant guidelines, and the latest edition of the manufacturer's installation instructions (available from www.avaflor.com)
- 3.3.2 Interface with Other Work: If transitions are required to and/or from the specified floor covering, contact the supplier for suitable transition material.

3.4 FIELD QUALITY CONTROL

- 3.4.1 Field Tests: this is for installed work (after job is done)
- 3.4.2 Manufacturer Services: Coordinate with supplier if an on-site manufacturer's representative is desired.

3.5 CLEANING

- 3.5.1 General: Clean up job site, including sweeping or dust mopping the floor to remove all dirt or grit, and put all waste in general contractor's dumpster. Follow overall cleaning guidelines described in Division 01.
- 3.5.2 Initial Maintenance: Conduct a full initial maintenance following the latest edition of the manufacturer's maintenance instructions (available from www.avaflor.com)

3.6 CLOSEOUT ACTIVITIES

- 3.6.1 Follow state requirements and Division 01 Section 01 76 00 – Protecting Installed Construction and Section 01 78 00 – Closeout Submittals requirements for these activities.

END OF SECTION