

SECTION 09 65 19.19
RESILIENT TILE FLOORING

CSI 3-PART **SHORT-FORM** GUIDE SPECIFICATION
USE FOR OUTLINE OR DD SPECIFICATION ISSUES.
EDIT TO SUIT PROJECT

PART 1 - GENERAL

1.1 SUMMARY

- A. Work of this Section consists of resilient through pattern homogeneous vinyl tile flooring and accessories including, but not limited to:
1. TOLI Linotesta
 2. TOLI FasolPlus
 3. TOLI Viale
 4. TOLI Piesta
 5. Accessories
 - a. Transition strips
 - b. Divider strips
 - c. Adhesives
 - d. Trowels
 - e. Cleaning solutions
 6. Finish top coatings

RED NOTE: Specifier to closely coordinate applicable sections between concrete and other subfloor substrate finishes with floor covering.

1.2 SUBMITTALS

- A. Product Data per DIVISION 01: Submit manufacturer's printed descriptions of for each specified product.
- B. Shop Drawings per DIVISION 01: Submit keyed location plans, plans indicating tile type, layout, pattern direction, edge transitions, columns, doorways, enclosing partitions, built-in furniture, cabinets, cutouts, expansion and control joints, and attachment requirements.
- C. Samples per DIVISION 01: Submit printed color charts or material chain for Initial Selection; and two (2) full size products for Final Selection.
- D. Quality Assurance Submittals per DIVISION 01: Test and Evaluation Reports, and Qualification Statements.

NOTE: Edit LEED Requirements below to suit project.

- E. Sustainable Design (USGBC [LEED®](#)) Submittals: Submit the following in accordance with the requirements of SECTION 018113, LEED REQUIREMENTS:
1. LEED Credit MR, Materials & Resources. Submit completed LEED-NC 2.2 Submittal Templates, and other required paperwork as follows:
 - a. MR 4.1: 10% Recycled Content
 - b. MR 4.2: 20% Recycled Content
 2. LEED Credit EQ, Indoor Environmental Quality. Submit completed LEED-NC 2.2 Submittal Templates and required paperwork as follows:
 - a. EQ 4.1: Low Emitting Materials, Adhesives & Sealants, VOC Data meeting South Coast Air Quality Management District (SCAQMD) Rule 1168 and Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 51, requirements.
 - b. EQ 4.3: Low Emitting Materials, Carpet and Resilient Flooring Systems

- 1). **Submit manufacturers product data for systems that includes printed statement of VOC content.**

NOTE: Coordinate and edit to the correct Section numbers below.

- F. Closeout Submittals per DIVISION 01: Maintenance Data, Executed Warranty Documentation, and Record Documents.

NOTE: Edit LEED Requirements below to suit project.

1. **Sustainable Design Closeout Documentation: Submit completed USGBC LEED® worksheet templates for the following credits:**
 - a. MR 4.1, MR 4.2
 - b. EQ 4.1, EQ 4.3

NOTE: Edit percentage below to suit scope of project.

- G. Maintenance Material Submittals - Extra Materials: Submit no less than five (5) percent additional full and unopened cartons of each type and pattern of tile used.

1.3 QUALITY ASSURANCE

A. Regulatory Requirements

1. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
 - a. Critical Radiant Flux Classification: Class I
 - b. Smoke Density per ASTM E662 or NFPA 258

- B. Qualifications: Manufacturer with minimum five (5) years and Installer with minimum three (3) years of successful experience.

- C. Source Limitations: Obtain primary flooring materials through one source from a single manufacturer.

1. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.

NOTE: Edit sustainability standards and certifications below to suit project.

D. Sustainability Standards and Certifications:

1. **Adhesive and Sealant VOC Limits: According to South Coast Air Quality Management District [Rule 1168](#) and [GS-36](#) for aerosols.**
2. **VOC Limits: As tested using U.S. EPA Reference Test Method 24 and in accordance with (per) SCAQMD [Rule 1113](#), SCAQMD [Rule 1168](#), BAAQMD [Regulation 8](#), [Rule 51](#), and California Air Resources Board (CARB).**

- E. Field Samples per SECTION 014000: Provide field samples, dry laid, to demonstrate aesthetic effects of materials in situ, assisting the Architect and Owner in making final selections.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery, Storage and Handling per industry and manufacturer guidelines, and DIVISION 01 requirements.

1.5 WARRANTY

- A. Manufacturer Warranty. Provide manufacturer's non-prorated **ten (10)** year limited warranty to be free from defects in material and workmanship, under normal use and service, to repair or replace all defective tiles including reasonable labor.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Manufacturers List: Subject to compliance with requirements, provide products by one of the following:

1. TOLI International, a Division of CBC AMERICA LLC, 2000 Regency Parkway, Cary, NC 27518; Telephone: 800.446.5476; Fax: 631.864.8151; E-mail: technical@cbcflooring.com; website: www.cbcflooring.com
- B. Substitution Limitations: Manufacturers of equivalent products shall be considered when submitted in accordance with DIVISION 01 requirements.
- C. Product Options
 1. Flooring Type:
 - a. TOLI Linostesta: Class 1 per ASTM E 648
 - 1). Size: 17.7 x 17.7 x 0.120 inches (450mm x 450mm x 3.0mm)
 - 2). Color and Pattern: [The Collection](#)
 - b. TOLI FasolPlus: Class 1 per ASTM E 648
 - 1). Size: 17.7 x 17.7 x 0.120 inches (450mm x 450mm x 3.0mm)
 - 2). Color and Pattern: [The Collection](#)
 - c. TOLI Viale: Class 1 per ASTM E 648
 - 1). Size: 17.7 x 17.7 x 0.120 inches (450mm x 450mm x 3.0mm)
 - 2). Color and Pattern: [The Collection](#)
 - d. TOLI Piesta: Class 1 per ASTM E 648
 - 1). Sizes: 17.7 x 17.7 x 0.120 inches (450mm x 450mm x 3.0mm)
17.7 x 12 x 0.120 inches (450 mm x 300 mm x 3.0 mm)
17.7 x 4 x 0.120 inches (450 mm x 100 mm x 3.0 mm)
 - 2). Color and Pattern: [The Collection](#)

NOTE: Custom colors, custom marbling and solid color tiles available by Special Order.

2. Floor Finish System Options:
 - a. Cleaner / Maintainer maintenance system
 - b. Conventional acrylic finish maintenance system
3. Accessories
 - a. Underlayment leveling compound per SECTION 035416
 - b. Expansion joints per SECTIONS 079200 and 079513
 - c. TOLI Transition Strip
 - d. TOLI Divider Strip
 - e. CBC #5001 High Performance Adhesive
 - f. CBC ECOSpray U Universal Spray Adhesive
 - g. CBC #951 Epoxy Adhesive
 - h. TOLI Trowel
 - i. Cleaning solutions

2.2 DESCRIPTION

NOTE: Select one of the following two descriptions, deleting the one not chosen.

- A. TOLI Linotesta is a Class 2, through-pattern vinyl tile made from polyvinyl esters and inorganic fillers materials formed under heat and pressure and cut to create resilient tile flooring in a variety of colors and patterns.
- B. TOLI FasolPlus is a Class 2, through-pattern vinyl tile made from polyvinyl esters and inorganic fillers materials formed under heat and pressure and cut to create resilient tile flooring in a variety of colors and patterns.

- C. TOLI Viale is a Class 2, through-pattern vinyl tile made from polyvinyl esters and inorganic fillers materials formed under heat and pressure and cut to create resilient tile flooring in a variety of colors and patterns.
- D. TOLI Piesta is a Class 2, through-pattern vinyl tile made from polyvinyl esters and inorganic fillers materials formed under heat and pressure and cut to create resilient tile flooring in a variety of sizes, colors and patterns.
- E. **Sustainability Characteristics**

NOTE: Coordinate and edit below to the correct LEED Version and **Rating selected.**

- 1. **USGBC LEED Rating:** Comply with project requirements intended to achieve LEED-NC v. 2.2 Platinum rating, as measured and documented per USGBC LEED® Green Building Rating System
- 2. **Applicable LEED Credits:** Performance requirements of the following LEED Categories and Credits apply to this Section and are met as follows:
 - a. **Materials & Resources (MR):**
 - 1). **MR Credit 4.1 and 4.2:**
 - a). TOLI **Linotesta** homogeneous vinyl tile contains 0% post-consumer + 1/2 50% pre-consumer, for 25% recycled content.
 - b). TOLI **FasolPlus** homogeneous vinyl tile contains 0% post-consumer + 1/2 50% pre-consumer, or 25% recycled content.
 - c). TOLI **Viale** homogeneous vinyl tile contains 0% post-consumer + 1/2 50% pre-consumer, or 25% recycled content.
 - d). TOLI **Piesta** homogeneous vinyl tile contains 0% post-consumer + 1/2 36% pre-consumer, or 18% recycled content.
 - b. **Indoor Environmental Quality (EQ):**
 - 1). **EQ Credit 4.1:**
 - a). CBC Acrylic Adhesive #**5001** VOC: 0 g/L
 - b). CBC Epoxy Adhesive #**951** VOC: 0 g/L
 - c). CBC ECOSpray Adhesive **U Universal Spray** VOC: 0 g/L
 - 2). **EQ Credit 4.4:**
 - a). TOLI **Linotesta** FloorScore Certified Low Emitting
 - b). TOLI **FasolPlus** FloorScore Certified Low Emitting
 - c). TOLI **Viale** FloorScore Certified Low Emitting
 - d). TOLI **Piesta** FloorScore Certified Low Emitting

2.3 MATERIALS

- A. Floor Tile per ASTM F1066: Class: II, through pattern homogeneous vinyl tiles
 - 1. Composition: Vinyl tile formulated from solid PVC with through-pattern construction
 - 2. Surface: Type A, Smooth

NOTE: Special thicknesses available upon request.

- 3. Thickness: 0.120 inch (3.0mm)

NOTE: Piesta has beveled edging and three sizes select sizes and material chosen

- 4. Edge: Square (Piesta: Beveled)
- 5. Size:
 - Square 17.7 x 17.7 x 0.120 inches (450mm x 450mm x 3.0mm)
 - Piesta adds: Rectangle 17.7 x 12 x 0.120 inches (450 mm x 300mm x 3.0 mm)
 - Plank 17.7 x 4 x 0.120 inches (450 mm x 100 mm x 3.0 mm)
- 6. Color: As selected by Architect from Manufacturers standard colors.

2.4 ACCESSORIES

NOTE: Select one of the following leveling methods, deleting the one not chosen.

- A. Leveling and Patching Compound: Trowelable latex-modified, portland cement based formulation provided or approved by manufacturer for applications indicated.
- B. Self-Leveling Underlayment: Pourable latex-modified, portland cement based formulation provided or approved by manufacturer for applications indicated.
- C. Divider Strips: TOLI Type F or Type D, as selected by Architect.
- D. Transition Strips: TOLI Divider Strips
- E. Acrylic Adhesive: CBC #5001, solvent-free, low odor, acrylic based, high tack type adhesive acceptable to floor tile manufacturer to suit floor tile product and substrate conditions indicated.
- F. Spray Adhesive: CBC ECOSpray U Universal, solvent-free, low odor, acrylic based, high tack type adhesive acceptable to floor tile manufacturer to suit floor tile product and substrate conditions indicated.
- G. Epoxy Adhesive: CBC #951, solvent-free, water-resistant, hard-setting, reactive, epoxy type adhesive acceptable to homogeneous vinyl tile manufacturer to suit floor tile product and substrate conditions indicated.

RED NOTE: Use of Non-CBC adhesives with TOLI homogeneous vinyl tile voids TOLI Warranty adhesion claims.

- H. Adhesive Equipment: TOLI professional fine-notched trowel (1/16 x 1/32 x 1/32 inch).
- I. Maintenance Finish Systems: Provide protective liquid maintenance product system as recommended by flooring manufacturer's [Maintenance Product Guide](#).

PART 3 - EXECUTION

3.1 FIELD CONDITIONS

- A. Conditions and Measurements: Visit jobsite to verify installation conditions and floor measurements.
 - 1. Environmental Conditions per manufacturer's recommendations and DIVISION 01.

3.2 EXAMINATION, PREPARATION AND INSTALLATION

- 1. Proceed with installation only after unsatisfactory conditions have been corrected.
- 2. Prepare substrates to ensure proper adhesion of homogeneous vinyl tile flooring system per adhesive manufacturer's written instructions.
- 3. Install tiles per manufacturer's current [Installation Guide](#).
- 4. Expansion Joints: Locate movement joints where indicated prior to installation of adhesive and tile.
- 5. Protect flooring from traffic for 12 hours before and after installation per adhesive manufacturer's instructions to allow proper set up time.

3.3 CLEANING, MAINTENANCE AND PROTECTION

- A. Provide Progress Cleaning and Provide Final Cleaning per DIVISION 01 requirements.
 - 1. Waste Management per DIVISION 01 requirements.
 - 2. Provide Initial Maintenance for installed product per manufacturer's [Maintenance Guide](#).

RED NOTE: Do NOT wet mop until adhesive has set.

- 3. Provide protection for installed product per manufacturer's written recommendations.

3.4 CLOSEOUT ACTIVITIES

- A. Substantial Completion Requirements per DIVISION 01 requirements: Closeout procedures, demonstration and training, and sustainable design closeout documentation.

END OF SECTION

RED NOTE: Be sure to obtain the latest version of this Guide Specification.
This Guide Specification is not a completed document ready for use. It must be edited, deleting, adding, or modifying text, as required to suit project requirements.
The professional stamping and the contracting parties of the Contract Documents are responsible for the accuracy of issued project specifications, including any use of this TOLI floor tile Guide Specification.
TOLI INTERNATIONAL AND CBC AMERICA LLC SHALL NOT BE LIABLE FOR DAMAGES ARISING OUT OF THE USE OF THIS GUIDE SPECIFICATION.