

SECTION 09 65 19 RESILIENT TILE FLOORING

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: TOLI LL300 resilient vinyl tile modular flooring.
- B. Related Sections:
 - 1. General and Supplementary Conditions
 - 2. Division 01, General Requirements
 - 3. Division 07 Section: Expansion joint covers for resilient flooring.
 - 4. Division 09 Section: Resilient flooring accessories.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. The edition date of standards may be established by the Conditions of the Contract, or Section 01 10 00 – Summary, or Section 01 40 00 - Quality Requirements, or Section 01 42 19 - Reference Standards. This article does not require compliance with standards, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.02 REFERENCES

A. ASTM International (ASTM):

1. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine.
2. ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
3. ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
4. ASTM F137 Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus.
5. ASTM F150 Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring. 8. ASTM F386 Standard Test Method for Thickness of Resilient Flooring 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 Sheet Flooring.
8. ASTM F970 Standard Test Method for Static Load Limit.
9. ASTM F1514 Standard Test Method for Measuring Heat Stability of Resilient Vinyl Flooring by Color Change.
10. ASTM F1515 Standard Test Method for Measuring Light Stability of Resilient Vinyl Flooring by Color Change.
11. ASTM F1700 Standard Specification for Solid Vinyl Floor Tile
12. ASTM F1914 Standard Test Method for Short-Term Indentation and Residual Indentation of Resilient Floor Covering.

B. National Fire Protection Association (NFPA):

1. NFPA 253 Standard Method of Test for Critical Radiant Flux for Floor Covering Systems Using a Radiant Heat Energy Source.
2. NFPA 258 Research Test Method for Determining Smoke Generation of Solid Materials.



1.03 SYSTEM DESCRIPTION

A. Performance Requirements:

1. Fire Performance:

- a. Critical Radiant Flux (NFPA 253 or ASTM E648): Class 1 (0.45 watts/square centimeter or greater).
- b. Smoke Density (NFPA 258 or ASTM E662): 450 or less.

2. Chemical Resistance, ASTM F925: No change for all chemicals.

3. Recovery from Long-Term Indentation, ASTM F970: 750 PSI.

4. Flexibility, ASTM F137: Passes, 6 mm mandrel.

5. Resistance to Short-Term Indentation, ASTM F1914: Passes at 140 lb.

8. Organic Emissions, ASTM D5116: Meets California 01350 requirements.

9. Slip Resistance, ASTM D2047: Meets OSHA and ADA recommendations.

10. Heat Resistance, ASTM F1514: Maximum average Delta E of less than 8.0.

11. Light Resistance, ASTM F1515: Maximum average Delta E of less than 8.0.

12. Total Thickness, ASTM F386: Maximum tolerance of +/- 0.005 inch.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor, either before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Section [01 33 00 - Submittal Procedures] [_____].

1.04 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Section [01 33 00 - Submittal Procedures] [_____].

B. Product Data: Submit manufacturer's printed product data for specified products.

Specifier Note: Edit paragraph below to conform to project requirements.

C. Samples: Submit selection and verification samples of finishes, colors and textures.

Specifier Note: Article below should include prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 01 Quality Assurance Section.

1.05 QUALITY ASSURANCE

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Division 01 Regulatory Requirements Section. Repetitive statements should be avoided.

A. Regulatory Requirements: In accordance with Section [01 40 00 - Quality Requirements] [_____].

Specifier Note: Article below should include special and unique requirements. Coordinate article below with Division 01 Section - Product Requirements.

1.06 DELIVERY, STORAGE & HANDLING

A. General: Comply with manufacturer's recommendations and Section [01 60 00 - Product Requirements] [_____].

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Specifier Note: Coordinate article below with Conditions of the Contract and with Division 01 Section - Warranties.



PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal," "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 RESILIENT TILE MODULAR FLOORING

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier's practice.

A. Manufacturer: TOLI International, a Division of CBC (America) Corp.

1. Contact: 55 Mall Drive, Commack, NY 11725-5703; Telephone: (888) 377-8801, (631) 864-4343; Fax: (631) 864-8151; E-mail: support@toli.com; website: www.toli.com.

B. TOLI LL300 Modular Tile (ASTM F1700):

1. Size: 19.68 inches x 19.68 inches (500 mm x 500 mm).

2. Gauge: 0.200 inch (5.0 mm).

3. Wear layer: 0.027 inch with PUR high performance top coat

3. Recovery from Long-Term Indentation (ASTM F970): 750 PSI.

4. Resistance to Chemicals (ASTM F925): Pass.

5. Pattern and Color: As selected by the Architect from the manufacturer's standard patterns and colors.

C. Latex Patching Compound: ASTM F710.

D. Adhesive: As recommended by manufacturer.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: Substitutions in accordance with Section [01 20 00, Price and Payment Procedures] [01 25 13 - Product Substitution Procedures] [No substitutions permitted] [_____].

PART 3 EXECUTION

Specifier Note: Article below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete article below per project requirements and specifier's practice.

3.01 EXAMINATION

A. Site Verification of Conditions: Verify that substrate conditions, for substrates that have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.02 PREPARATION

A. Prepare surfaces using methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

A. Compliance: Comply with manufacturer's product data for installation, including product technical bulletins, product catalog installation instructions and product carton instructions.

3.04 PROTECTION

A. Protect installed products until completion of project.

B. Repair or replace damaged products prior to substantial completion.

END OF SECTION