

LT PLANK COLLECTION

Chlorine-Free Environmental Polymer Plank

REV: APRIL 2020

Architectural Specifications

TEKNOFLOR LT is a chlorine-free environmental polymer plank flooring. This is a manufacturer-specific proprietary product specification utilizing the CSI 3 part guide specifications.

Specifier should edit guide specifications in accordance with project requirements. All imperial dimensions are approximate. Products are manufactured to exact metric standards. Optional text is indicated by brackets []. Delete optional text in final copy of specification. Add or modify text as required. Specifier Notes typically precede specification text: delete notes in final version of specification.

Revise below to suit project requirements, specification practices and section content. Refer to CSI/CSC MasterFormat for other section numbers and titles. The specifier is responsible for the accuracy of all project specifications, including any guide specifications used.

The designer/specifier is responsible for product selection as well as the use and application of this information, and should contact the manufacturer to ensure that models, types, finishes, etc. are available in the United States or country of use and that the associated specification information is valid and correct. Teknoflor shall not be liable for any damages arising out of the use of its guide specifications.

SECTION 09 65 19 RESILIENT TILE FLOORING (Chlorine-Free Commercial Plank Flooring)

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: chlorine-free resilient plank flooring.
- B. Related Sections:
 - 1. Division 07 Section: Expansion joint covers for resilient flooring.
 - 2. 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. Conditions of the Contract or Section 01 42 19 - Reference Standards may establish the edition date of standards. This article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.2 REFERENCES

- A. ASTM International (ASTM): Note: There is not an ASTM Standard for Teknoflor LT. Until such time, we reference testing for ASTM F1700 – Standard Specification for Solid Vinyl Tile. Meets or Exceeds Requirements.
 - 1. ASTM D2047 Static Coefficient of Friction: ≥ 0.6 SCOF, Complies with ADA Guidelines
 - 2. ASTM D5116 Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products.
 - 3. ASTM E648 Critical Radiant Flux: NFPA Class I: ≥ 0.45 w/cm²
 - 4. ASTM E662 Smoke Generation: <450 DM Corrected
 - 5. ASTM F925 Chemical Resistance: No Change. Excellent Resistance to acids, alkalis and solvents
 - 6. ASTM F970 Static Load Limit: 3000 psi @ maximum limit

7. ASTM F1514 Heat Stability Color Change: $\Delta E < 8.0$ avg. @ 7 days: Passes
8. ASTM F1515 Light Stability Color Change: $\Delta E < 8.0$ avg. @ 300 hrs.: Passes

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.

1.3 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 (ASTM E662): 450 or less.
2. Chemical Resistance, ASTM F925: No change for all chemicals.
3. Recovery from Long-Term Indentation, ASTM F970: 3,000 psi.
4. Flexibility, ASTM F137: Passes, 1 inch mandrel.
5. Abrasion Resistance, ASTM D3884: 15,000 cycles before visibly affecting design layer.
6. Resistance to Short-Term Indentation, ASTM F1914: Passes at 140 lb.
7. Organic Emissions, ASTM D5116: Meets California 01350 requirements.
8. Slip Resistance, ASTM D2047: Meets OSHA and ADA recommendations.
9. Heat Resistance, ASTM F1514: Maximum average Delta E of less than 8.0.
10. Light Resistance, ASTM F1515: Maximum average Delta E of less than 8.0.
11. 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 - Submittals Procedures].

1.4 SUBMITTALS

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

1.5 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.

1.6 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 41 00 - Regulatory Requirements].

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

1.7 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Section [01 61 00 - Common 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 Section 01 78 36 - 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.

2.1 RESILIENT TILE FLOORING

- A. Manufacturer: Teknoflor
 - 1. Contact: 1005 South 60th Street, Milwaukee, WI, 53214; Telephone: (800) 522-9166; Fax: (414) 944-0550; website: www.teknoflor.com
- B. Barenaked LT:
 - 1. Size: 4 inches × 36 inches (102 × 914 mm).
 - 2. Gauge: 0.080 inch.
 - 3. Pattern and Color: As selected by the Architect from the manufacturer's standard patterns and colors.
- C. Patching Compound: To comply with manufacturer's installation instructions and ASTM F710.
- D. Adhesive: As recommended by manufacturer.

2.2 PRODUCT SUBSTITUTIONS

- A. Substitutions: Substitutions in accordance with Section 01 25 13 - Product Substitution Procedures: No substitutions permitted.

PART 3 EXECUTION

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

3.1 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with all manufacturer's product data including installation instructions, product technical bulletins, maintenance instructions and product carton label instructions.

3.2 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.

3.3 PREPARATION

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

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Repair or replace damaged products prior to substantial completion.

END OF SECTION

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