September 30, 2025 *- This document is provided solely as a convenience for spec writers in the drafting process. Ecore will not be held responsible for the use or alteration of any information contained herein. For a final approved PDF version of these specifications, please visit the literature page at www.ecoreathletic.com*

DIVISION 9 Finishes: SECTION 09 65 66 Resilient Athletic Flooring
Performance dBTile – Vulcanized Composition Rubber Molded Tiles

PART 1.0 – GENERAL

1.1 SUMMARY

A. The work of this section includes:

1. Ecore Performance dBTile Vulcanized Composition Rubber Molded Tiles
2. Performance dBTile Quad Blok Connectors

B. Related Sections: Section(s) related to this section include:

1. Concrete Substrate: Division 3 Concrete Section(s)
2. Plywood Substrate: Division 6

1.2 REFERENCES

A. Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title, or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

B. American Society for Testing and Materials (ASTM):

1. See – Part 2.0 PROPRIETARY MANUFACTURER/PRODUCTS below

E. Leadership in Energy and Environmental Design - LEED®

1. International Organization for Standardization® document, ISO 14021 – Provides guidance on the terminology, symbols, testing, and verification methodologies that an organization should use for self-declaration of the environmental aspects of its products and services.

1.3 SYSTEM DESCRIPTION

A. Performance Requirements: Provide Vulcanized Composition Rubber resilient flooring, which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage, or failure.

1.4 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. LEED: Provide documentation of how the requirements for credit will be met.

1. List of proposed materials with recycled content. Indicated pre-consumer and post-consumer content.

2. Product data and certification letter indicating percentage of recycled content for both pre-consumer and post-consumer content.

3. Recycled content is defined in accordance with the International Organization for Standardization document, ISO 14021 Environmental labels and declarations.

a. Post-consumer material – waste materials diverted from the waste stream after consumer or commercial use.

b. Pre-consumer material – materials diverted from the waste stream during the manufacturing process. Excluded are regrind, rework, and scrap.

C. Product Data: Submit product data, including manufacturer's guide specifications product sheet, for specified products.

D. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns, and textures.

E. Samples: Submit selection and verification samples for finishes, colors, and textures.

F. Quality Assurance Submittals: Submit the following:

1. Certificates: If required, certification of performance characteristics specified in this document shall be provided by the manufacturer.

2. Manufacturer's Instructions: Manufacturer's installation instructions.

Specifier Note: Coordinate paragraph below with Part 3.5 Field Quality Requirements Article herein. Retain or delete as applicable.

3. Manufacturer's Field Reports: Manufacturer's field reports specified herein.

G. Closeout Submittals: Submit the following:

1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operational Data) Section. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.

2. Warranty: Warranty documents specified herein.

1.5 QUALITY ASSURANCE

A. Qualifications:

1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

a. Certificate: When requested, submit certificate, indicating qualification.

2. Manufacturer's Qualifications: Manufacturer capable of providing field service representation during construction and approving application method.

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 Contract and Division 1 Regulatory Requirements Section. Repetitive statements should be avoided.

B. Mock-Ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain owner and architect's acceptance of finish color, texture and pattern, and workmanship standard. Comply with Division 1 Quality Control (Mock-up Requirements) Section.

1. Mock-Up Size: (Specify mock-up size.)

2. Maintenance: Maintain mock-up during construction for workmanship comparison; remove and legally dispose of mock-up when no longer required.

3. Incorporation: Mock-up may be incorporated into final construction upon owner's approval.

C. Pre-installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's instructions, and manufacturer's warranty requirements. Comply with Division 1 Project Management and Coordination (Project Meetings) Section.

D. Pre-installation Testing: Conduct pre-installation testing: (Specify substrate testing; consult with flooring manufacturer.)

1.6 DELIVERY, STORAGE & HANDLING

A. General: Comply with Division 1 Product Requirements Sections.

B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.

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

D. Storage and Protection: Store materials at temperature and humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.

1.7 PROJECT CONDITIONS

A. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during, and after installation as recommended by manufacturer.

B. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

1.8 WARRANTY

A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

B. Manufacturer's Warranty: Submit, for owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to and not a limitation of other rights owner may have under Contract Documents.

Specifier Note: Coordinate paragraph below with manufacturer's warranty requirements.

1. Warranty Period: (Specify term) years commencing on Date of Substantial Completion.

1.9 MAINTENANCE

A. Extra Materials: Deliver to owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals (Maintenance Materials) Section.

Specifier Note: Revise paragraph below, specifying size and percentage as required for project.

1. Quantity: Furnish quantity of Vulcanized Composition Rubber flooring units equal to (specify %) of amount installed.

2. Delivery, Storage, and Protection: Comply with owner's requirements for delivery, storage, and protection of extra materials.

3. Cleaning: Furnish flooring manufacturer's neutral cleaner for initial cleaning and maintenance of the finished floor surface.

PART 2.0 – PROPRIETARY MANUFACTURER/PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add protect attributes, performance characteristics, material standards, and descriptions as applicable. Use of such phrases as “or equal” or “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 MANUFACTURER: Ecore

A. Address: 715 Fountain Ave., Lancaster, PA 17601: Telephone: (866) 795-2732; (717) 295-3400; Fax (717) 295-3414; Email: info@ecoreintl.com

2.2 PROPRIETARY PRODUCT(S)

A. Ecore Performance dBTile Vulcanized Composition Rubber Molded Tiles and Quad Blok Connectors for indoor fitness applications.

1. Ecore Performance dBTile Vulcanized Composition Rubber Molded Tiles
2. Ecore Performance dBTile Quad Blok Connector

2.3.1 dBTile

Ecore 2-1/2” Performance dBTile Vulcanized Composition Rubber Molded Tiles Made from 100% Vulcanized Composition Rubber and ColorMill® EPDM granules bound in both underlayment and wear surfaces with a wear and weather resistant polyurethane.		
Performance Criteria	**Test Method**	**Result**
Tile Dimensions	Manufacturer	24” x 24” x 2-1/2” thick
Tile Standard Tolerances	Manufacturer	Width & Length: ± 1/8” ; Thickness: ± 1/8”
Surface Layer Density	ASTM D297	60.0 pcf
Abrasion Resistance	ASTM D3389	Pass
Tensile Strength	ASTM D412	200lb/in² min. (surface layer)
Coefficient of Friction	ASTM D2047	> 0.8
Chemical Resistance	ASTM F925	Good, No Change
Noise Reduction Coefficient (NRC)	ASTM C423	0.25
Impact Insulation Class (IIC)*	ASTM E492	59
Delta IIC*	ASTM E2179	29
Sound Transmission Class (STC)*	ASTM E90	49
FloorScore	CA 01350	Pass
Flammability – Pill Test	ASTM D2859	Pass

*Tested on a 6” concrete slab with no ceiling

2.3.2 Quad Blok

Ecore Performance dBTile Quad Blok 7-3/4” x 7-3/4” Connection System Vulcanized Composition Rubber granules encapsulated in a wear and water-resistant elastomeric network		
Quad Blok Dimension	Manufacturer	7-3/4” x 7-3/4” x 11/16” (20.32 cm x 20.32 cm x 17mm)
Density	ASTM D297	46 pcf

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

2.03 RELATED MATERIALS

A. Related Materials: Refer to other sections listed in Related Sections paragraph herein for related materials.

2.04 SOURCE QUALITY

A. Source Quality: Obtain Vulcanized Composition Rubber resilient flooring materials from a single manufacturer.

PART 3.0 – EXECUTION

Specifier Note: Revise article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

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

3.02 EXAMINATION

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

3.03 PREPARATION

A. Surface Preparation: [Specify applicable product preparation requirements.]

Specifier Note: Coordinate article below with manufacturer's recommended installation details and requirements.

3.04 ERECTION / INSTALLATION / APPLICATION / CONSTRUCTION

A. Vulcanized Composition Rubber Flooring Installation: Comply with Ecore Installation Manual for installation procedures and techniques for Performance dBTile Vulcanized Composition Rubber resilient flooring installation.

B. Finish Color/Textures/Patterns: [Specify installation finishes coordinated with finishes specified in Part 2 Products.]

C. Related Products Installation: Refer to other sections listed in Related Sections paragraph herein for related products installation.

3.05 FIELD QUALITY REQUIREMENTS

Specifier Note: Edit paragraph below. Establish number and duration of periodic site visits with owner and manufacturer and specify below. Consult with manufacturer for services required. Coordinate paragraph below with Division 1 Quality Assurance Section and Part 1 Quality Assurance Submittals herein. Delete if manufacturer's field service not required.

A. Manufacturer's Field Services: Upon Owner's request, provide manufacturer's field service, consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

1. Site Visits: [Specify number and duration of periodic site visits.]

3.06 CLEANING

A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.07 PROTECTION

A. Protection: Protect installed product and finished surfaces from damage during construction.

3.08 SCHEDULES

A. Schedules: [Specify reference to applicable schedules.]

END OF SECTION