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**DIVISION 9 Finishes - SECTION 09 68 13 Tile Carpeting
Sportweave Interlock Interlocking Carpet Tile**

PART 1.0 - GENERAL

1.1 SUMMARY

- A. The work of this section includes:
 - 1. Sportweave Interlock Interlocking Carpet Tiles
- 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. ASTM C1028 Coefficient of Friction Wet & Dry Slip Resistance
 - 2. ASTM D2859 Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
 - 3. ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
 - 4. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
 - 5. ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- C. American Association of Textile Chemists and Colorists (AATCC)
 - 1. AATCC Technical Manual 134 Electrostatic Propensity of Carpets
 - 2. AATCC Technical Manual 16E Color Fastness To Light
 - 3. AATCC Technical Manual 107 Color Fastness To Water
 - 4. AATCC Technical Manual 138 Color Fastness To Shampoo
 - 5. AATCC Technical Manual 165 Color Fastness To Rubbing Dry & Wet
 - 6. AATCC Technical Manual 175 Stain Resistance
 - 7. AATCC Technical Manual 171 Carpet Hot Water Extraction
- D. International organization for Standardization (ISO)
 - 1. ISO 2551 / ITTS 104
 - 2. ISO 2551

1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide Sportweave Interlock, 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. Indicate 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:
 - 1. Provide Manufacturer's current installation guidelines as published by the manufacturer.
 - 2. Certificates: If required, certification of performance characteristics specified in this document shall be provided by the manufacturer.

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:
 - 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. Regulatory Requirements: [specify applicable requirements of regulatory agencies].

- 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 as follows [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 in 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.
 1. Quantity: Furnish quantity of recycled rubber flooring with itstru technology 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.

PART 2.0 - PROPRIETARY MANUFACTURER/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 "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: (800) 322-1923, (717) 295-3400; Fax: (717) 295-3414; Email: info@ecoreintl.com

2.2 DISTRIBUTOR: Centaur Floor Systems, LLC

- A. Address: 963 North San Marcos Rd, Santa Barbara CA, 93111; Telephone: (800) 536-9007;
Fax: (805) 957-0125; Email: info@centaurfloors.com

2.3 PROPRIETARY PRODUCT(S)

- A. Flooring and adhesives manufactured by Ecore.

1. Sportweave Interlock, Interlocking Carpet Tile. Consisting of a 5mm underlayment fusion bonded to a polypropylene fabric wear layer.

2.3.1 Sportweave Interlock [Interlocking Tile] Flooring

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| A. Product Name: | The fusion bonded, double layer, rubber surface furnished under this specification shall be Sportweave Interlock. |
| B. Material: | Fabric face, consisting of 100% non-woven polypropylene; fusion bonded to a 97% post-consumer recycled rubber backing. Backing consisting of high quality recycled rubber granules encapsulated in a wear and water resistant elastomeric network. |
| C. Tile Dimension: | Sportweave Interlock will have a nominal overall thickness of 7mm, Width: 23", Length: 23", Overall: 3.673 square foot per tile |
| D. Tile Weight: | 3.2 lbs/ft ² [15.62 kg/m ²] |
| E. Colors: | Specify color from manufacturer's standard colors. |
| F. Electrostatic Propensity:
(AATCC Test Method 134) | -0.8 kv, max. |
| I. Carpet Hot Water Extraction
(AATCC 171) | No Change |
| J. Color Fastness to Light
(AATCC Test Method 16E) | No Change |
| K. Color Fastness to Water
(AATCC Test Method 107) | No Change |
| L. Color Fastness to Shampoo
(AATCC Test Method 138) | No Change |
| M. Color Fastness to Rubbing
(AATCC Test Method 165) | No Change |
| N. Stain Resistance
(AATCC 175) | No Staining |
| O. Coefficient of Friction
(ASTM C1028) | 0.7, Wet & Dry |
| P. Surface Flammability
(ASTM D2859 / ISO 6926) | Pass |
| Q. Aachen Dimensional Stability
(ISO 2551 / ITTS 104) | MD=+0.06%, AMD=-0.63% |

2.4 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

2.5 RELATED MATERIALS

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

2.6 SOURCE QUALITY

- A. Source Quality: Obtain recycled 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.

3.1 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.

3.2 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.

3.3 PREPARATION

- A. Surface Preparation [specify applicable product preparation requirements]

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

3.4 ERECTION/INSTALLATION/APPLICATION/CONSTRUCTION

- A. Fusion Bonded Sportweave Interlock Installation: Comply with Manufacturers Technical Manual for installation procedures and techniques.
- 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.

3.5 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 is not required.

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

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

3.6 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.

3.7 PROTECTION

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

Specifier Note: Retain article below to suit project requirements. Article may be used to describe specific criteria requirements of similar products or equipment.

3.8 SCHEDULES

Specifier Note: Retain paragraph below to suit project requirements. Reference a schedule or include a schedule as an attachment, which indicates where to locate products and equipment.

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

END OF SECTION