



Summit International Flooring

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9 Finishes - SECTION 09 65 00 Resilient Flooring**DURA  CRETE****Rubber Back Sheet Vinyl****PART 1.0- GENERAL**

1.1 SUMMARY

- A. The work of this section includes:
 - 1. DURA CRETE – Rubber back sheet vinyl
 - 2. Welding rod accessories
 - 3. Adhesives
- B. Related Sections: Section(s) related to this section include:
 - 1. Concrete Substrate: Division 3 Concrete Section(s)

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 F970 Standard Test Method for Static Load Limit
 - 2. ASTM F2753 Standard test Method for Dynamic Rolling Load
 - 3. ASTM F1303-99 Standard Test Method for Resistance to Chemicals of Resilient Flooring
 - 4. ASTM F1514 Resistance to heat.
 - 5. ASTM F1515 Resistance to light.
 - 6. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as measured by the James Machine.
 - 7. ASTM E648 Behavior to fire.
 - 8. ASTM F2199 Dimensional stability.
 - 9. ASTM E2129 Standard Practice for Data Collection for Sustainability Assessment of Building Products.

10. ASTM D5116 Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products
 11. ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
 12. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
 13. ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- C. European Committee for Standardization (EN)
1. EN649 / EN ISO 10582 Resilient Floor Coverings Heterogeneous polyvinyl chloride floor coverings – Specification for Abrasion Resistance.
- D. International organization for Standardization (ISO)
1. ISO 105-B02 Textiles – Test for color fastness.
- E. Collaborative of High Performance Schools (CHPS) Section 01350
1. Low-emitting materials criteria for use in a typical classroom
- F. South Coast Air Quality Management District (SCAQMD) Rule #1168
1. VOC standards for adhesive and sealant applications
- G. 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 rubber back sheet vinyl 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. 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: 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.

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.

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.

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 resilient 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.

PART 2.0 - PROPRIETARY MANUFACTURER/PRODUCTS

2.1 MANUFACTURER: Summit International Flooring

Address: One Apollo Drive, Whippany, NJ 07981;
Telephone: (877) 496-3566, (973) 301-0800; **Fax:** (973) 301-0802
Email: info@summit-flooring.com

2.2 DISTRIBUTOR Summit International Flooring

Address: One Apollo Drive, Whippany NJ 07981;
Telephone: (877) 496-3566 ; (973) 301-0800 ; **Fax:** (973) 301-0802
Email: info@summit-flooring.com

2.3 PROPRIETARY PRODUCT(S)

- A. DURA CRETE. Flooring and adhesives manufactured by Summit International Flooring for commercial applications.
 - 1. DURA CRETE rubber back resilient sheet vinyl flooring and accessories.
 - 2. DURA CRETE a single-component, zero-VOC, urethane adhesive

2.3.1 DURA CRETE - Recycled Rubber Back Vinyl [Sheet] Flooring

- A. Product Name: The fusion bonded, double-ply, rubber back vinyl surface furnished under this specification shall be DURA CRETE, distributed by Summit International Flooring
- B. Material: Made from a formulation of high quality post-consumer recycled rubber granules encapsulated in a wear and water-resistant elastomeric network fusion bonded to a heterogeneous PUR enhanced, vinyl wear layer.
- C. Sheet Dimension: DURA CRETE rubber back sheet vinyl will have an overall thickness of 7mm, consisting of a 5mm 6015H rubber backing, fusion bonded to a 2mm vinyl surface layer. Surface wear layer 0.7mm. Standard roll sizes 6ft wide by 30 LF [1.82m by 9.144m] Custom lengths not available.
- D. Sheet Weight: 1.26 lb/ft² [6130 g/m²]
- E. Sheet Standard Tolerances: Width: +3/4" - 0" | Length: +1% - 0" | Thickness: ± .4mm
- F. Colors: Specify color from manufacturer's 6 standard colors.
- G. Static Load Limit (ASTM F970): Pass
- H. Dynamic Rolling Load (ASTM F2753) 10,000 cycles: No Damage, No Change
- I. Coefficient of Friction: Meets ADA Guidelines (ASTM D2047)
- J. Chemical Resistance: Excellent (ASTM F1303-99)
- K. Abrasion resistance: Group T / Type 1 (EN 649/EN ISO 10582)
- L. Dimensional Stability: ± 0.40% (ASTM F-2199)
- M. Behavior to Fire: Class I (ASTM E-648)
- N. Light Fastness: > 6 ISO 105-B02 (Method 3)
- O. Resistance to Light: Pass (ASTM F-1515)
- P. Resistance to Heat: Pass (ASTM F-1514)
- Q. FloorScore: Pass
- R. CHPS/CA 01350 (ASTM D5116): Pass

2.3.2 **DURA CRETE** Weld Rod

- A. Product Name: Welding rod distributed by Summit International Flooring.
- B. Material: Vinyl
- C. Color: Specify color from Summit International Flooring standard colors
- D. Dimensions: Standard lengths of 328LF [100M] by 3mm in thickness. Custom lengths not available.
- E. Spool weight: 11.023lbs [5kg]

2.3.3 SIF 848 one-component urethane adhesive

- A. Product Name: SIF848, the one-part urethane adhesive under this specification shall be Summit International Flooring’s one-component urethane adhesive

- B. Material: SIF848 is a one-component urethane moisture cured, non-sag, permanently elastic adhesive that has excellent adhesion to elastomers, good for indoor applications only.

- C. Adhesive Type: one-component urethane
- D. Adhesive Cure System: moisture cured
- E. Weight: 3 gal pail 29 lbs
- F. Color: beige
- G. VOC Content: 0 lb/gal calculated
- H. Freeze/Thaw: not stable
- I. Application Temperature: 50° F - 90° F
- J. Calcium Chloride Test: Maximum 8 lbs per 1,000 sq. ft. in 24 hrs.
(ASTM F1869)
- K. Relative Humidity (RH) Test: Maximum 85%
(ASTM F2170)
- L. Flashpoint: none
- M. Shelf Life: 12 months
- N. Working Time: 60 minutes for wet lay and up to 2 hours when dry
- P. Coverage Rate: between 90 and 250 SF/gal
- Q. SCAQMD Rule #1168 0 lb./gal. calculated

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

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 ERECTION/INSTALLATION/APPLICATION/CONSTRUCTION

- A. Recycled Rubber Flooring Installation: Comply with DURA CRETE Technical Manual for installation procedures and techniques for DURA CRETE recycled rubber resilient flooring installation.].
- B. Related Products Installation: Refer to other sections listed in Related Sections paragraph herein for related products installation.

3.4 FIELD QUALITY REQUIREMENTS

- A. **Manufacturer's Field Services:** Upon Owner's request, provide manufacturer's field service consisting of product use recommendations and periodic sit of product installation in accordance with manufacturer's instructions.
 - 1. **Site Visits:** [specify number and duration of periodic site visits].

3.5 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.

3.6 PROTECTION

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

END OF SECTION