SECTION 09 65 13 – RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Provide the work of this Section in accordance with requirements of the Contract Documents.

B. Section includes resilient base **RFB-01 RFB-02, RFB-03, RFB-04, RFB-05**.

1.2 ACTION SUBMITTALS

A. Product Data: Technical data, installation instructions, and maintenance procedures.

B. Sustainable Design Submittals:

1. Building Product Disclosure and Optimization - Sourcing of Raw Materials:
    a. Extended Producer Responsibility (EPR): Submit documentation indicating that manufacturers have a take back or recycling program for the product purchased.
    b. Bio-based Materials: For bio-based products and materials other than wood, submit documentation of product data and testing results in compliance with LEED requirements.
    c. Recycled Content: For products having recycled content, indicate percentages by weight of post-consumer and pre-consumer recycled content.
        1) Include statement indicating costs for each product having recycled content.
    d. Regional Materials: For products that are required to comply with requirements for regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material.
        1) Include statement indicating distance to Project, cost for each regional material and the fraction by weight that is considered regional.
2. Indoor Environmental Quality, Low Emitting Materials: Building Products must be tested and compliant with the California Department of Public-Health (CDPH) Standard Method v1.2 2017, using the applicable exposure scenario.
    a. Adhesives and Sealants: For wet applied on-site products, submit printed statement showing compliance with the applicable chemical content requirements of SCAQMD Rule 1168, effective July 1, 2005, and rule amendment date of January 7, 2005.
    b. For Flooring products, submit documentation of VOC emissions testing compliance for hard surface flooring products, containing any material in addition to composite wood, in the form of Floorscore certification or CDPH Standard Method v1.2 compliance verification.

C. Samples: Submit samples not less than 12 inches (300 mm) long, of each resilient base color.

1.3 INFORMATIONAL SUBMITTALS

A. Sustainable Design Submittals:

1. Building Product Disclosure and Optimization - Environmental Product Declarations

    a. Submit product specific type III EPDs or Industry wide (generic) EPDs, USGBC approved program declaration or products with a publicly available, critically reviewed life-cycle assessment conforming to ISO 14044 that have at least a cradle to gate scope.

2. Building Product Disclosure and Optimization - Material Ingredients

    a. Material Ingredient Reporting: Submit documentation confirming chemical inventory of products to at least 0.1 % (1000pm) with at least one of the following:

        1) Submit published manufacturer inventory of ingredients identified by name and Chemical Abstract Service Registration Number (CASRN)
        2) Submit documentation that product has been certified as Cradle-to-Cradle v3 at the Bronze Level or better
        3) Submit Declare product label indicating that all ingredients have been disclosed down to 1000 ppm or designated as Red List Free or Declared
        4) Living Product Challenge
        5) Product Lens Certification
        6) USGBC approved program.

    b. Material Ingredient Optimization: Submit documentation confirming chemical inventory of products to at least 0.01 % (100pm) and/or that has a compliant material ingredient optimization report with at least one of the following:

        1) Submit GreenScreen V1.2 Benchmark: Third party report prepared by a licensed GreenScreen List Translator, or a full GreenScreen Assessment.
        2) Submit third-party verified documentation that product has been certified as Cradle-to-Cradle v3 at the Bronze Level or better
        3) Submit third-party verified Cradle to Cradle v3 Material Health certificate at the Bronze Level or better
        4) Submit third-party verified Declare product label indicating that all ingredients have been disclosed down to 100 ppm
        5) Submit third-party verified documentation that product is Living Product Challenge certified with a Red List Free or LBC Red List Free Declare label.
        6) Submit documentation that product has a manufacturer prepared action plan with material inventory to at least 1000 ppm.

1.4 QUALITY ASSURANCE

A. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.

1. Build mockup of each type of resilient base including inside and outside corner minimum 2 feet in length.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store resilient base and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than

50 degrees F (10 degrees C) or more than 85 degrees F (29 degrees C). Store floor tiles on flat surfaces.

1.6 FIELD CONDITIONS

A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 degrees F (21 degrees C) or more than 85 degrees F (29 degrees C), in spaces to receive flooring during the following time periods:

1. 48 hours before installation.
2. During installation.
3. 48 hours after installation.

1.7 EXTRA MATERIALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Base: Minimum 10 linear feet for each 500 linear feet (150 linear m) or fraction thereof for each different type and color installed.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Manufacturers:

1. Subject to compliance with requirements, provide products by one of the following

a. Burke Mercer Flooring Products; a division of Burke Industries Inc.
b. Flexco.
c. Roppe Corporation, USA.
d. Johnsonite; A Tarkett Company.
e. VPI Corporation.

B. Resilient Base:

1. Thermoset Rubber Base ASTM F 1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).
2. **RFB-01** coved toe base.

a. Basis of Design: Roppe Corporation, USA 700 Series.
b. Thickness: 0.125 inch (3.2 mm).
c. Height:4 inches (100 mm).
d. Lengths: Coils in 100-foot lengths. Field cut to size, minimize joints.
e. Outside Corners: Preformed.
f. Inside Corners: Job formed or preformed.
g. Color: Black Brown (193).

3. **RFB-02** coved toe base.

a. Basis of Design: Roppe Corporation, USA 700 Series.
b. Thickness: 0.125 inch (3.2 mm).
c. Height:4 inches (100 mm).

d. Lengths: Coils in 100-foot lengths. Field cut to size, minimize joints.
e. Outside Corners: Preformed.
f. Inside Corners: Job formed or preformed.
g. Color: Dark Grey (150).

4. **RFB-03** coved toe base.

a. Basis of Design: Roppe Corporation, Pinnacle rubber base.
b. Thickness: 0.125 inch (3.2 mm).
c. Height:4 inches (100 mm).
d. Lengths: Coils in 100-foot lengths. Field cut to size, minimize joints.
e. Outside Corners: Preformed.
f. Inside Corners: Job formed or preformed.
g. Color: Black.

5. **RFB-04** straight, no toe base.

a. Basis of Design: Roppe Corporation, Pinnacle rubber base.
b. Thickness: 0.125 inch (3.2 mm).
c. Height:4 inches (100 mm).
d. Lengths: Coils in 100-foot lengths. Field cut to size, minimize joints.
e. Outside Corners: Preformed.
f. Inside Corners: Job formed or preformed.
g. Color: Black (100).

6. **RFB-05** straight, no toe base.

a. Basis of Design: Roppe Corporation, Pinnacle rubber base.
b. Thickness: 0.125 inch (3.2 mm).
c. Height:6 inches (150 mm).
d. Lengths: Coils in 100-foot lengths. Field cut to size, minimize joints.
e. Outside Corners: Preformed.
f. Inside Corners: Job formed or preformed.
g. Color: Black (100).

C. Installation Materials:

1. Adhesives: Water resistant type recommended by resilient base and adhesive manufacturers to suit substrate conditions indicated.

D. Low-Emitting Materials:

1. Adhesives and Sealants wet-applied inside the weather-proofing system must meet the VOC general emissions testing criteria of CDPH Standard Method v1.2.
2. All adhesives and sealants wet-applied inside the weather-proofing system must have VOC content in compliance with the applicable VOC limits (g/L) found in tables in Division 01 Section 01 81 13.14 "Sustainable Design Requirements - LEED v4 BD+C."
3. All flooring products must be Floorsore certified or compliant with the VOC emissions testing criteria of CDPH Standard Method v1.2.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.

B. Proceed with installation after correcting unsatisfactory conditions. Installation of resilient accessories indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Prepare substrates according to resilient accessory manufacturer's written instructions to ensure adhesion of resilient products.

B. Verify substrates are dry and free of curing compounds, sealers, and hardeners.

C. Remove substrate coatings and substances incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by resilient product manufacturer. Do not use solvents.

3.3 INSTALLATION

A. Resilient Base: Comply with manufacturer's written instructions for installing resilient base. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

1. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
2. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
3. Do not stretch resilient base during installation.
4. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
5. Preformed Corners: Install preformed corners before installing straight pieces.
6. Job Formed Corners:

    a. Inside Corners: Use straight pieces of maximum lengths possible and miter or cope at inside corners with minimum acceptable lengths of not less than 12-inches (300 mm) in length, subject to Architect’s approval.

        1) Miter or cope corners to minimize open joints.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning resilient accessories.

B. Perform cleaning operations immediately after completing resilient accessory installation.

1. Remove adhesive and other blemishes from exposed surfaces.

END OF SECTION