SECTION 096513 - RESILIENT BASE

PART 1 – GENERAL

1.1 GENERAL PROVISIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions of Division 01 General Requirements, Specification Sections, apply to this section.

1.2 SUMMARY

A. Section includes:
1. Resilient Wall Base

1.3 SUBMITTALS, RELATED DOCUMENTS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures.
B. Product Data: Submit manufacturers:
1. Technical data sheet
2. Care & maintenance document
3. Warranty
For each material and accessory proposed for use (available at www.flexcofloors.com).
C. Samples for Initial Selection: For each type of product indicated.
D. Samples for Verification: For each type of product indicated, in manufacturer's standard- size samples of each resilient product color, texture and pattern required.
E. Product Schedule: For resilient products. Use same designations indicated on Drawings.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Provide resilient wall base materials manufactured in the United States of America by a firm with a minimum of 10 years' experience with resilient rubber materials of type equivalent to those specified.
B. Provide resilient wall base, flooring materials, adhesives, accessories and subfloor preparation products from one manufacturer to ensure color matching and compatibility.
C. Manufacturer shall be capable of providing technical training and technical field service representation.

1.5 RELATED WORK

A. Installer must be professional, licensed, insured and acceptable to manufacturer of resilient flooring materials. Project Managers or Field Supervisors must be INSTALL (International Standards & Training Alliance) certified CFI (Certified Floorcovering Installers) Certified and/or an FCICA (The Flooring Contractors Association) CIM (Certified Installation Manager) for the requirements of the project or equivalent.

1.6 DELIVERY, STORAGE AND HANDLING

A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within the range recommended by Flexco of 55 degrees F (13 degrees C) and 85 degrees F (29 degrees C).

1.7 PROJECT CONDITIONS

A. Install resilient products after other finishing operations, including painting, have been completed.
B. Maintain ambient temperatures within range of (± 10 degrees F) 65 degrees (18 degrees C) and 85 degrees F (29 degrees C) in the spaces to receive the resilient products during:
   1. 48 hours before installation.
   2. During installation.
   3. 48 hours after installation.
C. Maintain relative humidity between 40% and 65% during installation.
D. Avoid conditions in which dew point causes condensation on the installation surface.

1.8 WARRANTY

A. Provide manufacturer's standard limited commercial warranty to cover manufacturing defects

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Basis-of-Design: Flexco Floors | 1401 East 6th Street | Tuscumbia, AL 35674 | P: (800) 633-3151
B. Substitutions: Submit under provisions of Section 01 60 00.

2.2 PRODUCTS

A. TRADITIONAL WALL BASE
   1. FLEXCO BASE 2000 THERMOPLASTIC RUBBER (TP) WALL BASE - specify rubber wall base with the following characteristics: Meets the performance requirements for the following Industry Standards:
      a. ASTM F1861, Standard Specification for Resilient Wall Base, Type TP (rubber, thermoplastic), Group 2 (layered), Style A&B (straight, cove)
      b. ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials, Class A.
      c. ASTM E648 (NFPA 253), Standard Test Method for Critical Radiant Flux, Class 1, >0.45 W/cm².
      d. ASTM E662 (NFPA 258), Standard Test Method for Smoke Density,

Passes, <450

e. ASTM F137, Standard Test Method for Flexibility of Resilient Flooring Materials protocols, Passes

f. ASTM F386, Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces, Passes

g. ASTM F925, Standard Test Method for Resistance to Chemicals of Resilient Flooring, Excellent

h. ASTM F1515, Standard Test Method for Measuring Light Stability of Resilient Flooring protocols, Passes

i. National Fire Protection Association (NFPA):

j. NFPA 253, Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Energy Source

k. NFPA 255, Standard Method of Test of Surface Burning Characteristics of Building Materials

l. NFPA 258, Test Method for Specific Density of Smoke Generated by Solid Materials

m. CAN/ULC-S102.2

n. FSR 10, SDS 60

B. FLEXCO RUBBER WALL BASE IS A THERMOPLASTIC RUBBER (TP)

1. Flexco Base 2000 Wall Base
2. Flexco Base 2000 4" height.
3. Flexco Base 2000 120' length rolls.
4. B. Cove.
5. Color to be selected by Architect from manufacturer's standard color selections.
6. TP BASE 2000 rubber base is SCS FloorScore® Certified and meets California Specifications Section 01350
7. TP BASE 2000 rubber base and accessories do not contain chemicals that may be hazardous to human health
8. TP BASE 2000 rubber base meets NSF 332 Gold Criteria
9. TP BASE 2000 rubber base meets CHPS Criteria
10. TP BASE 2000 rubber base is manufactured in the U.S.A.
11. TP BASE 2000 rubber base is manufactured in a Facility that is ISO 14001 Certified
12. TP BASE 2000 rubber base is free of materials known to be teratogenic, mutagenic or carcinogenic
13. TP BASE 2000 rubber base is free of Halogens
14. TP BASE 2000 rubber base is free of Asbestos
15. TP BASE 2000 rubber base is free of Phthalates
16. TP BASE 2000 rubber base is free of Heavy Metals
17. TP BASE 2000 rubber base is free of any Red List Chemicals

2.3 INSTALLATION AND MAINTENANCE MATERIALS

A. Substrate/Background Preparation Products:

1. Adhesives: Adhesives should be selected based on the site conditions and use of the space being installed.

B. Recommended Adhesive Products:

1. Excelsior WB-600 Acrylic Wall Base Adhesive provided by Flexco

a. Unit Size: 30 oz. cartridge, 1 Gallon & 4 Gallon

b. Coverage: 30 – 70 linear feet per cartridge, 180 – 340 linear feet per gallon
c. Standard installations over porous backgrounds
d. 100 % solids, solvent free and low VOCs
e. Hard set adhesive adding to dimensionally stable materials
f. Excellent sheer strength

2. Excelsior C-630 Contact Adhesive provided by Flexco
a. Unit Size: 1 Quart
b. Coverage: 20 – 40 Square Feet per unit / 120 – 140 Linear Feet per unit
c. Standard installations over porous and non-porous substrates
d. Hard set adhesive adding to dimensionally stable materials
e. Excellent sheer strength
f. Superior bond strength
g. Great for environments with topical moisture

C. Accessories: Items needed to complete the installation.
Recommended accessory products:
a. Flexco Factory Corners
b. Rubber Corner Blocks
c. Mini-Rubber Corners
d. Color-matched Caulks

D. Maintenance Materials: Proper maintenance of the installation is critical to the long term performance of the flooring products being specified. Using the appropriate chemicals to maintain the product according to the environment in which it is specified is critical. Recommend maintenance products:
1. Excelsior NC-900, All-Purpose Neutral pH Cleaner provided by Flexco
a. For initial maintenance
b. For daily and routine maintenance

PART 3 – EXECUTION

3.1 GENERAL

A. General Contractor Responsibilities:
1. Supply a safe, climate controlled building as detailed in Flexco Technical Data Sheets.
2. Ensure substrate/background meets the requirements of ASTM F1861, Flexco Technical Data Sheets and Excelsior Technical Data Sheets.
3. Provide a secure storage area that is maintained permanently or temporarily at normal operating temperature and humidity conditions between 65° F and 85° F and between 40% and 65% relative humidity, for at least 48-hours prior to and during the application of the wall base, so the contractor can acclimate the rubber base materials per manufacturer's instructions.
4. Provide an installation area that is weather tight and maintained either permanently or temporarily at ambient service temperature and humidity. Normal operating temperature and humidity conditions are between 65° F and 85° F and between 40% and 65% relative humidity, for at least 48-hours prior to and during the

application of the wall base per the manufacturer's instructions.

5. Ensure areas with direct prolonged exposure to sunlight are protected with protective UVA/UVB restrictive coatings or films.
6. In areas where the walls are subject to direct sunlight through doors or windows, the doors and windows should be covered using blinds, curtains, cardboard or similar for the time of the installation and 72-hours after the installation to allow the adhesive to cure. Note: These areas should be installed using wet adhesives only.
7. Conduct initial maintenance prior to final usage per the Flexco Care & Maintenance Documents. Do not conduct initial maintenance until adhesive has cured per the adhesive technical data.
8. Provide trained installers that are professional, licensed, insured and acceptable to manufacturer of resilient rubber wall base materials.
9. Ensure installers or installation teams meet one of the following requirements:
   a. Have completed INSTALL (International Standards & Training Alliance)
   b. CFI (Certified Floorcovering Installers) training programs
   c. Certified by INSTALL or CFI.
   d. Are being supervised by Project Managers or Field Supervisors that are INSTALL (International Standards & Training Alliance) certified, CFI (Certified Floorcovering Installers) Certified and/or an FCICA (The Flooring Contractors Association) CIM (Certified Installation Manager).
10. Follow all requirements in the appropriate Flexco and/or Excelsior Technical Data Sheets, Care & Maintenance Documents, Warranties and other technical documents or instructions.

3.2 EXAMINATION

A. General: Follow guidelines laid out in Division 01, Section 01 71 00 – Examination and Preparation, as well as Section 01 43 00 – Quality Assurance.

B. Verification of Conditions: Inspect all substrates/backgrounds to ensure they are clean, smooth, permanently dry, structurally sound and without voids. Confirm all areas are properly sealed and acclimated per manufacturer's requirements.

C. Verification of Products: In accordance with manufacturer's installation requirements, visually inspect material for size, style, color or visual defects prior to installing. Any material that is incorrect or visually defective shall not be installed.

3.3 SUBSTRATE/BACKGROUND PREPARATION

A. General: Follow guidelines laid out in Division 01, Section 01 71 00 – Examination and preparation. All work required ensuring

substrate/background meets manufacturers' guidelines are the responsibility of the general contractor.

B. Preparation: Ensure substrate/background meets the requirements of ASTM F1861 for resilient wall base and/or Flexco Technical Data Sheets and Excelsior Technical Data Sheets.
   1. Substrates/backgrounds must be free of visible water or moisture, dust, sealers, paint, residual adhesives and adhesive removers, solvents, wax, oil, grease, mold, mildew and any other extraneous coating, film, material or foreign matter.
   2. Acclimate all products to be used during the installation and the installation environment prior to installation according to the manufacturers written instructions.
   3. Fill cracks, holes, depressions and irregularities in the substrate/background to prevent transferring through to the surface of the resilient wall base.

3.4 INSTALLATION

A. General: Follow all relevant guidelines detailed in Division 01, as well as wall base and adhesive manufacturer's technical data sheets.

B. Resilient Vinyl Wall Base: Install material in accordance with manufacturer's recommendations.
   1. Select the appropriate adhesive for the application and job site conditions.
   2. Install material according to roll sequence or with like run numbers.
   3. Ensure material is rolled appropriately into the adhesive using a hand roller.

3.5 CLEANING & MAINTENANCE

A. General: Clean up installation area and vacuum dust or wipe material to remove any dirt, dust or debris.

B. Initial Maintenance: Conduct initial maintenance per the manufacturer's recommended procedures stated in the Maintenance Documents. All documentation is available upon request or from the Flexco website: www.flexcofloors.com . Excelsior Cleaning products are the recommended products for use. All can be found linked to the product on the Flexco website or at www.excelsiorproducts.net.

C. Regular Maintenance: Conduct maintenance on regular intervals as needed. Insufficient cleaning will reduce the wear life of the wall base and alter the aesthetic properties of the wall base. The amount of maintenance depends directly upon the amount of dirt and particulates the area is subjected to.

3.6 CLOSEOUT ACTIVITIES

A. General: Follow all federal, state and local requirements and Division 01 Section 01 76 00 – Protecting Installed Construction and Section 01 78 00 – Closeout Submittal requirements for these activities, protecting installed construction.

B. Protection: Protect newly installed material from damage by other trades.

Be sure all construction debris is picked up and vacuumed or removed prior to leaving the area. Limit usage and foot traffic according to the adhesive's requirements. When moving appliances or heavy furniture, protect wall base from scuffing and tearing using temporary floor protection as well.

END OF SECTION 096513