CARPETING INSTALLATION

- Carpet supplier to provide specified product(s), at agreed to price point(s), to selected installer for USC related work.

- Pricing shall be FOB installer destination (off-loading by installer).

- It shall be the responsibility of the installer to inspect the materials upon delivery to ensure all product specification requirements have been met. Full responsibility for the product shall transfer to the installer at this point, including all storage and handling.

- See USC list of approved carpet suppliers (SEE BID COMMENTS).

PART 1 GENERAL

1.1 SUMMARY

A. Section includes:
   1. Sheet Carpet.
   2. Modular Carpet Tiles.
   3. Adhesive.
   4. Accessories.

1.2 SUBMITTALS

A. Procedure: In accordance with Section 01300

B. Product Data: For the following, including installation recommendations for each type of substrate:
   1. Carpet: For each type indicated. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
   2. Carpet Cushion: For each type indicated. Include manufacturer's written data on physical characteristics and durability.

C. Samples: 18 in. by 27 in. sample. Include each color of carpet, and 12 in. long samples of carpet edge guard stripping.

D. Layout drawings:
   1. At least 30 days before carpet installation is scheduled to begin, provide minimum 1/16 in. layout drawings showing pattern, and pile direction; for carpet tile show pattern; for broadloom, show seam locations.
2. Layout and seam location shall comply with the requirements below; make adjustments and modifications requested by the Client's Representative at no cost to the Client.

E. Data:

1. Copies of manufacturer recommended cleaning and maintenance instructions for carpet.

2. For each type of carpet, adhesive and accessories.

3. Evidence that the carpet, accessories and adhesives to be used comply with Code requirements for combustibility, flammability and toxicity.

F. Manufacturer warranties: Published warranties as specified below.

G. Pre-installation conference:

1. Prior to installation, arrange a pre-installation meeting between the carpet installers and Client Representative.

2. Review delivery, storage and handling procedures.

3. Review ambient conditions and ventilation procedures.

4. Mark chalk lines on the slabs, showing pattern alignment for placement of seams and pattern layout. Spray lacquer on chalk lines, after the locations have been approved by Architect.

5. The permanent lacquered chalk lines will be used as the approved seam locations for carpet.

H. Installer qualifications: Evidence of installer certification.

I. Certificates: With samples, include carpet mill published data, or letter of certification, or certified testing laboratories report indicating that carpet complies with requirements of this Section. Certificate will not be returned unless an error is observed.

1.3 QUALITY ASSURANCE

A. Installer qualifications: FCIB or IFCI certified carpet installers, unless otherwise acceptable to the Architect.

B. Fire-test-response characteristics: Provide products with the critical radiant flux classification indicated in Part 2, as determined by testing identical products per ASTM E 648 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.

C. Static control:

1. Below level of human sensitivity when tested at 20% relative humidity at 70 deg. F.

2. Carpet shall retain its static control for the useful life of the installation.
1.4 DELIVERY, STORAGE AND HANDLING

A. Procedure: In accordance with CRI 104 Section 5: Storage and Handling*.

B. Store carpet indoors at least 72 hours before use, in a protected location.

C. Identification: Deliver carpet with manufacturer registry number attached and intact.

D. General: Environmental conditions prior to and immediately after installations shall meet the following criteria to assure a “relaxed” carpet, preventing glue-down or stretch-in problems.

E. Storage: Carpet shall be stored in flat bins to prevent pile crush. Temporary storage shall be in flat bins with a maximum height not to exceed 3 rolls.

F. Handling: Transport carpet on flat dollies equipped with carpet cradles. Fork lifts shall be equipped with booms. Bending or folding of individual carpet rolls is not recommended. However, if it is absolutely necessary for delivery purposes, under no circumstances should the carpet be left bent or folded for longer than 4 hours.

G. Conditions: Condition carpet and adhesive on site in a heated, dry space at a minimum temperature of 65 deg. F. and a relative humidity between 10% and 65% for at least 48 hours before installation. These 72 conditions shall be maintained night and day during installation and for at least 72 hours after completion.

H. Slab dryness: Do not install carpet over concrete slabs until they have cured, have been tested, and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet manufacturer.

I. Lighting: Illuminate work areas during installation to provide the same or greater level of illumination, as required to properly perform the work, as will occur in the room or space after the building is in operation.

J. Comply with CRI 104, Section 7.2, “Site Conditions; Temperature and Humidity” and Section 7.12 “Ventilation”.

1.5 WARRANTIES

A. Warranty period: 5 years following Substantial Completion. Refer to Section 01700. Warranty includes, but is not limited to the following.

1. To be impervious to water damage.

2. Retention of original tested static control values.

3. In addition, warrant the following for the life of the carpet:

   a. Carpet shall not experience fading or edge-ravel under normal use for the life of the carpet.

   b. Primary & secondary backing shall not delaminate for the life of the carpet.
c. 20 lb. tuft-bind - wet and dry - shall be warranted for the life of carpet;

d. There shall be no more than 10% face yarn loss for the life of the carpet.

B. Stain resistance: Stain resistant properties shall be permanent and inherent in the fiber. Topically applied stain resistant treatments are not acceptable. Stain resistant properties shall not be removed by commercial cleanings and abrasive wear.

C. Replacement: Provide for promptly repairing or replacing, at no cost to Owner, carpet which exhibits evidence of defective materials or workmanship such as splitting of seams and the following:

1.6 MAINTENANCE

A. Maintenance Manual, for each type of carpet: Submit manual of carpet manufacturer's complete recommendation for the care, cleaning and maintenance of each type of carpeting; prepared after detailed analysis of Owner's intended occupancies and resulting traffic condition.

B. Overrun stock: Furnish production overrun on each carpet from the same dye lots and runs, in amounts necessary to ensure complete installation without extra seams; in the following minimum quantities:

<table>
<thead>
<tr>
<th>Amount installed, square yards:</th>
<th>Overrun required:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 50:</td>
<td>100 %.</td>
</tr>
<tr>
<td>50 to 250:</td>
<td>10 %.</td>
</tr>
<tr>
<td>more than 250:</td>
<td>5 %.</td>
</tr>
</tbody>
</table>

C. Large scraps and unused carpet shipped to job: Deliver to the Owner as directed. Dispose of scraps less than 1 sq. ft. in area, or less than 8 in. wide.

D. Wrapping: Deliver overrun stock in original factory labeled shipping containers. Deliver scraps of unused carpet in suitable containers without wrinkling.

PART 2 CARPET ACCESSORIES

A. Adhesive (solvent-free): Water-resistant, mildew-resistant, non-staining type to suit products and subfloor conditions indicated, that complies with flammability requirement for installed carpet and is recommended or provided by carpet manufacturer.

Seam Adhesive: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

B. Seaming tape and adhesives: As recommended by the carpet manufacturer for the conditions of use, complying with the combustibility, flammability and toxicity limits prescribed by authorities having jurisdiction.

C. Seam and edge sealer: By same manufacturers as the adhesive.
D. Floor leveling material: Provide a minimum of one 10 lb. bag of Portland cement-based floor prep material for every 100 sq. yd. of carpet to be installed. Do not use gypsum based materials. Latex-modified, hydraulic-cement-based formula supplied or as recommended by the carpet manufacturer.

E. Other miscellaneous materials: As recommended by the carpet manufacturer for the conditions of installation and use.

PART 3 EXECUTION

3.1 INSPECTION/PREPARATION

A. General: The applicable specifications and recommendations of the Carpet and Rug Institute (CRI), Standard for Installation of Textile Floorcovering Materials CRI 104 govern the work of this Section, except as noted.

B. Measure space to be carpeted, as a basis for supplying, cutting and seaming the carpet. Do not scale the drawings or calculate sizes from dimensions shown.

C. Vacuum substrate immediately prior to carpeting and remove deleterious substances which would interfere with the installation or be harmful to this work.

EXAMINATION

Examine substrates, areas and conditions, with installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance. Examine carpet for type, color, pattern, and potential defects.

Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 and the following:

1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet manufacturer.

2. Subfloor finishes comply with requirements specified in Division 03 Section "Cast-in-Place Concrete" for slabs receiving carpet.

3. Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.

Proceed with installation only after unsatisfactory conditions have been corrected.

PREPARATION

Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.

Comply with CRI 104 carpet and carpet cushion manufacturers' written installation instruction for the following:
Direct Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation."

Double Glue-Down Installation: Comply with CRI 104, Section 10, "Double Glue Down Installation."

Carpet with Attached-Cushion Installation: Comply with CRI 104, Section 11, "Attached-Cushion Installations."

Preapplied Adhesive Installation: Comply with CRI 104, Section 11.4, "Pre-Applied Adhesive Systems (Peel and Stick)."

Hook-and-Loop Installation: Comply with CRI 104, Section 11.5, "Hook and Loop Technology."

Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3mm) wide or wider, and protrusions more than 1/32 inch (0.8mm), unless more stringent requirements are required by manufacturer's written instructions.

Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by carpet manufacturer.

Check floors for moisture content. Be sure that they are sufficiently dry to receive carpet.

1. Conduct calcium chloride moisture test, one for every 1,000 sq. ft. of flooring, to verify that slabs are within limits acceptable to carpet and adhesive manufacturers.

2. Allow sufficient time in the construction schedule to allow slabs to dry sufficiently, force dry slabs, or provide a compatible surface coating so that water vapor emission will be at a level acceptable to the floor covering manufacturer.

3.2 INSTALLATION

A. Install carpet edge guard, where edge of carpet is exposed to traffic, in single length without joints except at changes in direction. Cut for a tight fit against abutting surfaces. Center under doors when applicable.

B. Extend carpet at the following locations:

1. Under open-bottomed and raised bottomed obstructions, and under removable flanges of obstructions.

2. Into closets and alcoves of spaces scheduled to be carpeted, unless another floor finish is indicated for such space.

3. Under movable furniture and equipment.
C. Place seams in the directions indicated on approved shop drawings.

D. Lay carpet with minimum number of seams in accordance with CRI 104 Section 7.2.

E. Cut carpet for seams between the tuft rows to prevent damage to tufts or loops, prevent edge raveling, and preserve uniform tuft row alignment and spacing on both sides and across seams. Cut seam edges straight and square with backing.

F. Tightly join and accurately align seams.

G. Make seams by compression method of forming a butt joint.

H. Lay all carpet in the same direction, unless specifically indicated otherwise.

I. Do not place seams perpendicular to doors or entries, or within 18 in. thereof.

J. Where seams are parallel to doors, center under the door.
Do not bridge expansion joints with carpet.

K. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.

L. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

M. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.

N. Install pattern parallel to walls and borders to comply with CRI 104, Section 15, "Patterned Carpet Installations" and with carpet manufacturer's written recommendations.

O. Seams occurring at corridor change of direction shall follow wall line parallel to carpet direction.

P. Maintain direction of pattern, including lay of pile in accordance with CRI 104 Section 7.4. Do not seam weft to warp. When the carpet is patterned match pattern at seams.

Q. Unroll carpet face up and cut lengths required. Leave carpet to relax at room temperature for 48 hours minimum prior to installation.

R. Apply adhesive, and separate release agent, if any, in compliance with CRI 104 Section 8, and the manufacturer's printed instructions, complying with procedure demonstrated to be satisfactory by test sample.

S. Lay carpet with tuft or loop rows in straight lines both ways, free of offsets, waviness, distortion, or misalignment.

T. Butt carpet seams and edges tightly together to eliminate air pockets, and remove looseness and bubbles away from the seams.
U. Remove adhesive from face promptly upon exposure.
V. Do not bridge building expansion joints with carpet.
W. Roll completed installation with a 35 - 75 lb. linoleum roller in both direction to ensure uniform bond everywhere.

3.3 CLEANING/PROTECTING

A. Remove debris from installation, carefully sorting pieces to be saved from scraps to be disposed of.
B. Remove excess adhesive, seam sealer and other surface blemishes using cleaner recommended by the carpet manufacturer.
C. Vacuum carpet with a commercial machine, with rotating agitator or beater in the nozzle. Remove soiled spots.
D. Close areas to traffic during installation. Cover carpet in traffic areas with protective non-staining building paper. Do not use plastic sheeting.
E. Prior to acceptance of the Work, replace damaged and stained carpet with new carpet, at no additional cost to the Owner.
F. Protect installed carpet to comply with CRI 104, Section 16, "Protection of Indoor Installations".

3.4 FIELD QUALITY CONTROL

A. Carpet shall have full adhesion to subfloor without loose edges.
B. Trim carpet neatly at walls and other vertical projections not sooner than 24 hours following installation.
C. Completed installation shall be free of tacks, scraps, ripples, scallops and puckers, with tight joints accurately aligned.

END OF SECTION
1.1 SUMMARY

A. Section includes:
   1. Reinforced vinyl floor tiles.
   2. Resilient sheet flooring.
   3. Installation materials.

B. Related work:
   1. Resilient base and stair coverings: Sections 09651 and 09652.

1.2 SUBMITTALS

A. Procedure: In accordance with Section 01300.

B. Samples: 24 in. square sample of sheet vinyl. Full size samples of floor tile.

C. Shop drawings: Show locations of seams in sheet flooring. Seams are subject to Client/Client's Representative (CR) approval and relocation at no cost to the Owner.

D. Recommendations: Furnish the Client 2 copies of the tile and sheet flooring manufacturers' recommended maintenance products and recommended maintenance methods and procedures.

1.3 QUALITY ASSURANCE

A. Fire-test-response characteristics:
   1. General: Provide products with the following fire test response characteristics.
   2. Critical radiant flux: 0.45 watts/sq. cm or greater when tested in accordance with ASTM E 648.
   3. Smoke density: Maximum specific optical density of 450 or less when tested in accordance with ASTM E 662.

1.4 HANDLING

A. Procedure: In accordance with Section 01600.

B. Deliver materials in good condition to the job site in manufacturer original unopened containers with label information clearly marked thereon.

C. Store material in a heated space protected from the weather and maintained at a minimum temperature of 65 deg. F and maximum of 100 deg. F.

1.5 JOB CONDITIONS

A. Maintain the temperature of the space to receive the flooring and the materials to be installed at a minimum of 65 deg. F. and maximum of 100 deg. F. for at least 48 hours prior to, during, and 48 hours after installation. When using S-215 or S-230
RESILIENT FLOORING

adhesive, maintain room temperature at a maximum of 85 deg. F. Maintain a minimum temperature of 55 deg. F. thereafter.

B. Install flooring after the work of all other trades, including painting, has been completed.

C. Illuminate work areas during installation to provide the same or greater level of illumination required to properly perform the work, and as will occur in the room or space after the building is in operation.

1.6 MAINTENANCE

A. One box per 100 boxes or fraction thereof of floor tile.

B. 6 ft. long roll of each type and color of sheet flooring installed on the Project.

PART 2 PRODUCTS

2.1 MATERIALS

A. Floor tiles:

1. Complying with ASTM F 1066, Composition 1, Class 2.

2. 12 in. by 12 in. by 1/8 in. as indicated on the Materials Selection Palette.

B. Sheet vinyl: As indicated on the Materials Selection Palette.

C. Edging and reducer strip: Tapered hard rubber edging strip made specifically for termination of resilient flooring, by Mercer Products Co., Inc., Macklanburg-Duncan, Johnsonite or equal of the color selected by the Client/CR.

D. Primer, adhesive and crack filler: Type recommended by resilient materials manufacturer for the conditions of use.

E. Cove filler strip: Stock No. 70, vinyl extrusion by Mercer Plastics, Inc., or softwood cove strip.

F. Edge cap: Clear anodized aluminum profile or vinyl extrusion similar to Stock No. 71 by Mercer Plastics, Inc.

PART 3 EXECUTION

3.1 INSPECTION/PREPARATION

A. General:

1. Verify conditions and measurements affecting the work of this Section at site.

2. Examine substrates for unevenness which would prevent the proper execution of the work of this Section. Concrete shall be clean, dry, smooth and flat. Remove all ridges and other irregularities.

3. Fill cracks, holes and depressions and grind down bumps that would telegraph through the resilient flooring with latex cement underlayment as recommended by the flooring manufacturer so that a straightedge placed anywhere on the surface touches the floor with no more than a 1/8 in. gap.
4. Remove dirt, paint, varnish, oils, grease, release agents, waxes, scalers, curing and hardening compounds and other foreign matter not compatible with the adhesives employed. Remove residual adhesives as recommended by the flooring manufacturer. Avoid organic solvents.

B. Moisture tests: Test floors for water vapor emission in accordance with ASTM F 710/Practice for Preparing Concrete Floors and Other Monolithic Floors to receive Resilient Flooring, ASTM F 1303 / Specification for Sheet Vinyl Floor Covering, and ASTM F 1869 Standard Test Method for Moisture Vapor Emissions of Concrete Sub-Floor Using Anhydrous Calcium Chloride.

C. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 ADHESIVES

A. Mix and apply adhesives in compliance with their manufacturer printed instructions. Observe recommended trowel notching, spread rates and open times.

B. Provide safety precautions during mixing and applications as recommended by the adhesives manufacturer.

C. Apply adhesives uniformly over backing surfaces, but only on areas which can be covered by flooring material within the recommended working time of the adhesive.

D. Remove adhesives which have dried or filmed over. Do not soil walls, bases, or other adjacent surfaces with adhesive. Promptly remove spillage from adjacent surfaces without damaging those surfaces.

3.3 FLOOR TILE

A. Match tiles for color and pattern, when applicable, by using tile from cartons in the same sequence as manufactured and packaged.

B. Install tile working from center lines of each room or space and work outward toward the perimeter. Do not install tile that is less than 1/2 the width of a full size tile.

C. Fit tiles neatly and tightly into breaks and recesses, against bases, around pipes and penetrations, under metal thresholds and around permanent fixtures and equipment.

D. Lay tiles in grid pattern with the tile pattern running in the same direction, parallel to room axis in straight lines, except where impractical because of room shape.

E. Roll completed installation using a 60 lb. (minimum) carpet roller to insure complete adhesion to substrate. Take particular care to roll edges and corners thoroughly.

3.4 SHEET FLOORING

A. Lay flooring material with a minimum number of seams, in locations acceptable to the Architect. Avoid cross seams.

B. Install in accordance with its manufacturer instructions; lap and recut seams to a hairline, tight and flush.

C. Roll flooring into adhesive with heavy roller to eliminate air pockets and to thoroughly bond to the substrate.
RESILIENT FLOORING

D. Finish seams flush to the floor and free from voids, recesses and raised areas.

3.5 REDUCER AND EDGING STRIPS

A. Install reducer and edging strips at termination of resilient flooring where flooring is not covered by another material. Glue securely to clean, dry subfloor.

B. Install in one piece between door jambs, and in longest possible length elsewhere with no piece less than 6 ft. long.

C. Butt tightly to resilient flooring, where applicable, and scribe accurately to door frame and other abutting surfaces.

3.6 FINISHING/CLEANING

A. General:

1. Protect flooring against mars, marks, indentations, and other damage immediately after installation and polishing.

2. Use protection methods specified or recommended by flooring manufacturer.

3. Do not move heavy and sharp objects directly over resilient flooring. Place hardboard panels over flooring and under objects being moved.

4. Slide or roll objects over panels without moving panels.

5. Cover traffic lanes with undyed, untreated building paper taped securely in place. Remove at final cleaning.

B. Apply protective polish to floor surfaces that are free from soil, visible adhesive, and surface blemishes.

1. Use commercially available product acceptable to flooring manufacturer. Coordinate selection of floor polish with Client’s maintenance service.

C. Clean floor surfaces not more than 4 days before dates scheduled for inspections intended to establish Substantial Completion in each area of Project. Clean according to manufacturer written recommendations.

1. If required to restore polish finish and if recommended by flooring manufacturer, strip protective floor polish applied after completing installation before cleaning.

2. After cleaning, reapply polish to floors to restore floor finish according to flooring manufacturer recommendations. Coordinate with Client’s maintenance program.

D. Remove and replace materials that are damaged or cannot be cleaned as approved by the Client/CR.

END OF SECTION
1.1 SUMMARY

A. Section includes:
   1. Rubber bases.
   2. Adhesive.
B. Related work:
   1. Resilient flooring: Section 09650.

1.2 SUBMITTALS

A. Procedure: In accordance with Section 01300.
B. Samples: 12 in. long samples of each type and color of base.
C. Data: Proof of compliance with specified requirements.

1.3 HANDLING

A. Procedure: In accordance with Section 01600.
B. Storage: Store materials indoors at a temperature above 60 deg. F for at least 24 hours before use.

1.4 JOB CONDITIONS

A. Illuminate work areas during installation to provide the same or greater level of illumination required to properly perform the work, and as will occur in the room or space after the building is in operation.
B. Maintain temperature in spaces to receive resilient bases between 70 deg. and 90 deg. F for not less than 24 hours before and 48 hours after its installation.
C. Maintain minimum temperature of 60 deg. F after bases have been installed, except as specified above.

1.5 MAINTENANCE

A. Furnish 100 ft. of each type and color of base for future maintenance.

PART 2 PRODUCTS

2.1 MATERIALS

A. Rubber bases: As indicated on the Materials Selection Palette.
1. 0.125 in. thick by height indicated on the Drawings, complying with FS SSW-40, Type I, and Class B rating in accordance with ASTM E 84, 150 - 200 smoke density.

2. Top set base where no flooring and resilient flooring occur; straight (carpet) base at all other locations; do not use preformed corners.

3. In rolls minimum 100 ft. long. Do not use short pieces.

B. Adhesive and crack filler: Type and brand recommended by base manufacturer for the conditions of use.

PART 3 EXECUTION

3.1 INSPECTION/PREPARATION

A. Examine walls for excessive moisture content and unevenness which would prevent the proper execution of the work of this Section. Fill cracks and sand down bumps.

B. Remove dirt, oil, grease, or other foreign matter from surfaces to receive bases.

C. Make sure that defective conditions are corrected before proceeding with installation.

3.2 ADHESIVE

A. Mix and apply adhesive in compliance with its manufacturer printed instructions.

B. Provide safety precautions during mixing and application as recommended by the adhesive manufacturer.

C. Apply adhesive uniformly over backing surfaces, but only on areas which can be covered by bases within the recommended working time of the adhesive.

D. Remove adhesive which dries or films over. Do not soil walls, bases, and other adjacent surfaces with adhesive. Promptly remove spillage from adjacent surfaces without damaging those surfaces.

3.3 BASE

A. Match edges at seams or double cut adjoining lengths. Install with hairline, flush butt joints.

1. Locate end of runs not less than 36 in. from a corner, except where impossible due to length of wall.

2. Do not use pieces less than 6 ft. long, except where impossible due to length of wall.

3. Do not use preformed corner pieces.

4. Form inside corners on job from straight pieces of maximum lengths possible by cutting an inverted V-shaped notch in toe of wall base at the point where corner is formed. Shave back of base where necessary to produce snug fit to substrate.

5. Form outside corners on job from straight pieces of maximum lengths possible by shaving back of base at point where bending will occur. Remove a strip
RESILIENT BASES
perpendicular to length of base and only deep enough to produce a snug fit without bends whitening or removal of more than half the thickness of base.

B. Apply adhesive and firmly adhere to wall. Scribe base accurately to abutting materials.

3.4 FINISHING/CLEANING

A. After adhesive has set, clean bases with a neutral cleaner recommended by the base manufacturer.

B. Protect completed installations from damage until final acceptance.

END OF SECTION
SECTION 09652 - RESILIENT STAIR COVERINGS

PART 1 GENERAL

1.1 SUMMARY

A. Section includes:
   1. Resilient stair coverings.
   2. Adhesive.

B. Related work:
   1. Resilient flooring: Section 09650.
   2. Resilient base: Section 09651.

1.2 SUBMITTALS

A. Procedure: In accordance with Section 01300.

B. Samples: 12 in. long samples of each type and color of tread and nosing.

C. Data: Proof of compliance with specified requirements.

1.3 HANDLING

A. Procedure: In accordance with Section 01600.

B. Storage: Store materials indoors at a temperature above 60 deg. F for at least 24 hours before use.

1.4 JOB CONDITIONS

A. Illuminate work areas during installation to provide the same or greater level of illumination required to properly perform the work, and as will occur in the room or space after the building is in operation.

B. Maintain temperature in spaces to receive resilient stair coverings between 70 deg. and 90 deg. F for not less than 24 hours before and 48 hours after its installation.

C. Maintain minimum temperature of 60 deg. F after installation, except as specified above.

1.5 MAINTENANCE

A. Furnish 10 full size tread/nosing of same type and color as those installed for future maintenance.

PART 2 PRODUCTS

2.1 MATERIALS

A. Manufacturer: As indicated on the Materials Selection Palette.
B. Stair tread/nosing: Safety Pattern, Rubber, with matching nosing.

C. Adhesive: Endura 117 Stair Tread Adhesive.

PART 3 EXECUTION

3.1 INSPECTION/PREPARATION

A. Examine treads for excessive moisture content and unevenness which would prevent the proper execution of the work of this Section. Fill cracks and sand down bumps.

B. Remove dirt, oil, grease, or other foreign matter from surfaces to receive treads/nosings.

C. Make sure that other defective conditions are corrected before proceeding with installation.

3.2 ADHESIVE

A. Mix and apply adhesive in compliance with its manufacturer printed instructions.

B. Provide safety precautions during mixing and application as recommended by the adhesive manufacturer.

C. Apply adhesive uniformly over substrate, but only on areas which can be covered by treads within the recommended working time of the adhesive. Tape adjacent surfaces to prevent migration and misapplication of adhesive.

D. Remove adhesive which dries or films over. Do not soil walls, and other adjacent surfaces with adhesive. Promptly remove spillage from adjacent surfaces without damaging those surfaces.

3.3 TREADS/NOSINGS

A. Install in one piece from stringer-to-stringer with hairline butt joints.

B. Scribe accurately to abutting materials.

3.4 FINISHING/CLEANING

A. After adhesive has set, clean treads/nosings with a neutral cleaner recommended by the base manufacturer.

B. Protect completed installations from damage until final acceptance.

END OF SECTION