



## Division 9

### Resilient Athletic Surfacing

#### (RESILIENT SHEET VINYL)

#### SPECIFICATIONS

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## **PART 1 – GENERAL**

### **1.1 SECTION INCLUDES**

- A. Resilient sheet flooring.

### **1.2 RELATED SECTIONS**

- A. Section 03300—Cast in Place Concrete.
- B. Section 06100—Rough Carpentry: Plywood subflooring and underlayment.
- C. Section 07260—Vapor Retarders: Moisture remediation.
- D. Section 0965—Resilient Tile Flooring: Resilient tile floor coverings.
- E. Section 09653—Resilient Base and Accessories: For resilient base, reducer strips, and other accessories installed with resilient floor coverings.

### **1.3 REFERENCES**

- A. ASTM International:
  1. ASTM D 2047 - Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine.
  2. ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
  3. ASTM E 662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
  4. ASTM F 137 - Standard Test Method for Flexibility of Resilient Flooring Materials with Cylindrical mandrel Apparatus.
  5. ASTM F 386 - Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces.
  6. ASTM F 410 - Standard Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement.
  7. ASTM F 710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
  8. ASTM F 925 - Standard Test Method for Resistance to Chemicals of Resilient Flooring.
  9. ASTM F 970 - Standard Test Method for Static Load Limit.
  10. ASTM F 1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing.
  11. ASTM F 1700 - Standard Specification for Solid Vinyl Floor Tile.
  12. ASTM F 1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
  13. ASTM F 2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In Situ Probes.

### **1.4 SUBMITTALS**

- A. Submit under provisions of Section 01300.
- B. Product Data: Submit three copies of manufacturer's data sheets on each product to be used, including:



1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
  4. Maintenance recommendations
- C. Selection Samples: For each finish product specified, two sets of each type, colors and finish of resilient flooring and accessory required, indicating full range of color and pattern variation as proof of application compliance.
- D. Verification Samples: For each finish product specified, three complete sets of each type, colors and finish of resilient flooring and accessory required, indicating color and pattern of actual product, including variations, as proof of application compliance.
- E. Certification: Upon request by Architect manufacturer to provide third party written test results of physical characteristics and performance attributes performed by an independent laboratory.
- F. Closeout Submittals: Submit three copies of the following:
1. Maintenance and operation data includes - methods for maintaining installed products, and precautions against cleaning materials and methods detrimental to finishes and performance.
  2. Warranty documents specified herein.
- G. Flame Spread Certification: Submit manufacturer's certification that resilient flooring furnished for areas indicated to comply with required flame spread rating has been tested and meets or exceeds indicated or required standard.
- H. LEED Documentation Submittals:
1. LEED NC 2.2 & CI 2.0 Rating System:
    - a. MR 4.1 - Post Consumer 10% (post-consumer + 1/2 pre-consumer).
    - b. MR 4.2 - Post Consumer 20% (post-consumer + 1/2 pre-consumer).
    - c. EQ 4.1 - Adhesives and Sealants SCAQMD Rule #1168.
    - d. EQ 4.3 - FloorScore Certification in lieu of CRI.
    - e. ID 1.1 - Green Housekeeping Innovation Credit (inquire within) borrowing from LEED EB IEQ 10.3.
  2. LEED EB 2.0 Rating System:
    - a. MR 2.1 - Optimize Use of Alternative Materials; Post Consumer Recycled Content.
    - b. MR 3.1 - Optimize Use of IAQ Products, A. Adhesives & Sealants SCAQMD Rule #1168.
    - c. MR 3.2 - Optimize Use of IAQ Products, C. FloorScore Certification in lieu of CRI.
    - d. MR 4 - Sustainable Cleaning Products and Services.
    - e. IEQ 10.3 - Green Cleaning - Low Impact Environmental Policy.
  3. LEED Schools, NC & Major Renovations Rating System:
    - a. MR 1.3 - Maintain 50% of Interior Non-Structural Elements.
    - b. MR 4.1 - Post Consumer 10% (post-consumer + 1/2 pre-consumer).
    - c. MR 4.2 - Post Consumer 20% (post-consumer + 1/2 pre-consumer).
    - d. EQ 4 - Option 1 - Adhesives and Sealants SCAQMD Rule #1168.
    - e. IEQ 4 - Option 3 - Flooring Systems - CA 1350.
    - f. ID 1.1 - Green Housekeeping Innovation Credit borrowing from LEED EB IEQ 10.3.
  4. LEED Retail - NC & Major Renovations Rating System:
    - a. MR 1.3 - Maintain 50% of Interior Non-Structural Elements.
    - b. MR 4.1 - Post Consumer 10% (post-consumer + 1/2 pre-consumer).
    - c. MR 4.2 - Post Consumer 20% (post-consumer + 1/2 pre-consumer).
    - d. IEQ 4 - Option 1 Adhesives and Sealants SCAQMD Rule #1168
    - e. IEQ 4 - Option 3 Flooring - FloorScore Certified.
    - f. ID 1.1 - Green Housekeeping Innovation Credit borrowing from LEED EB IEQ 10.3.



## 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Whenever possible, provide each type of resilient flooring and accessories as provided by a single manufacturer, including recommended primers, adhesives, sealants, finish accessories and leveling compounds.
- B. Installer Qualifications: Minimum five years experience and completed at least three projects of similar magnitude, material and complexity. Upon request, provide project references including contract names and telephone numbers for three projects.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas designated by Architect.
  - 2. Do not proceed with remaining work until workmanship, color, sheen and finished appearance are approved by Architect.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's original unopened, undamaged packaging until ready for installation.
- B. Store all rolls standing upright; do not lay rolls down for long periods.
- C. Flooring material and adhesive shall be acclimated to the installation area for a minimum of 48 hours prior to installation.

## 1.7 PROJECT CONDITIONS

- A. Environmental Requirements/Conditions: In accordance with manufacturer's recommendations. Areas to receive flooring shall be clean, fully enclosed, weather tight with the permanent HVAC set at a uniform temperature of at least 68 degrees F (20 degrees C) 72 hours prior to and during and for not less than 48 hours after installation. The flooring material shall be conditioned in the same manner prior to installation. Ambient temperature shall not exceed 100 degrees F (38 degrees C) after installation.
- B. Close spaces to traffic during resilient flooring installation and for a period of time after installation as recommended in writing by the manufacturer.
- C. Install resilient flooring materials and accessories after other finishing operations, including painting, have been completed.
- D. Where demountable partitions and other items are indicated for installation on top of sheet resilient flooring material, install flooring material before these items are to be installed.
- E. All material shall be from the same batch and the rolls shall be installed in consecutive order. If material from more than one batch is to be used, the job shall be laid out so that different batch numbers are not installed side by side.

## 1.8 WARRANTY

- A. Provide manufacturer's standard warranty against manufacturing defects and wearing.



## 1.9 EXTRA MATERIALS

- A. 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 requirements.
1. Quantity: Furnish quantity of flooring units in full rolls equal to 2 percent of amount installed.
  2. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra materials.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Signature Fencing and Flooring Systems, LLC  
50 East 42<sup>nd</sup> Street 14<sup>th</sup> Floor, New York, NY 10017:  
Telephone: (212) 953-1116, (800) 705-1544: Fax (212) 953-1117  
Email: [info@signaturesportsflooring.com](mailto:info@signaturesportsflooring.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600

### 2.2 PROPRIETARY PRODUCT(S)

- A. SignaFlex manufactured by Signature Sports Flooring for indoor commercial applications.
1. 4.5mm SignaFlex rolled sheet vinyl
  2. 6.5mm SignaFlex rolled sheet vinyl
  3. 8.0mm SignaFlex rolled sheet vinyl
- B. SignaGrip adhesives manufactured by Signature Sports Flooring for the installation of SignaFlex 4.5mm, 6.5mm, and 8.0mm.

#### 2.3.1 SIGNAFLEX – 4.5MM ROLLED SHEET VINYL

Resilient Sheet Flooring: SignaFlex 4.5mm by Signature Sports Flooring with the following characteristics:

- |                             |  |
|-----------------------------|--|
| A. Construction:            | High performance polyurethane top layer, clear 100% vinyl wear layer, high-res image layer, reinforcing woven glassfiber inner layer, closed cell foam backing |
| B. Reference Specification: | ASTM F 1303, Type I, Grade 1.  |
| C. Certification:           | Floorscore certified for Indoor Air Quality by SCS Labs.   |
| D. Recycled Content:        | Minimum of 20 percent post-consumer recycled content.  |

#### Physical Data:

- A. Roll Size: 1.8m width x 20m long rolls (.177" x 71" x 65.6')



- B. Weight: 3.10 kg/m<sup>2</sup>
- C. Backing Class: 4-ply fused backing system that includes 1.7mm PVC internal layer and polyester mesh backing - Class A.
- D. Colors: Wood: Maple, Oak, Beech, Golden Cherry, Cherry, Zelkova, Tiger Oak, Antique Oak, Solid: Gray, Dark Blue, Beige, Green, Dark Green, Teal, Red, Orange, Yellow, Sky Blue
- E. Total Thickness: 4.5mm (0.177in.) (ASTM F 386)
- F. Wear Layer Thickness: 0.5mm (0.02in.) (ASTM F 410)

**Performance Characteristics:**

- A. Friction: Average 93 (NF EN 13036-4)
- B. Vertical Deformation: 1.0 (EN 14809)
- C. Vertical Ball Rebound: Average 99 (NF EN 12235)
- D. Behavior under Rolling Load: No damage (NF EN 1569)
- E. Resistance to wear: .19g (EN ISO 5470-1)
- F. Specular Gloss: 25% (EN ISO 2813)
- G. Resistance to Static Load: Average 0.23mm (NF EN 1516)
- H. Resistance to Impact: No Damage (NF EN 1517)
- I. Resistance to Repeated Impact: No Damage (TS 15122)

### **2.3.2 SIGNAFLEX – 6.5MM ROLLED SHEET VINYL**

Resilient Sheet Flooring: SignaFlex 6.5mm by Signature Sports Flooring with the following characteristics:

- A. Construction: High performance polyurethane top layer, clear 100% vinyl wear layer, high-res image layer, reinforcing woven glassfiber inner layer, closed cell foam backing
- B. Reference Specification: ASTM F 1303, Type I, Grade 1.
- C. Certification: Floorscore certified for Indoor Air Quality by SCS Labs.
- D. Recycled Content: Minimum of 20 percent post-consumer recycled content.

**Physical Data:**

- A. Roll Size: 6.5mm x 1.8m width x 15m long rolls (.256" x 71" x 49.2')
- B. Weight: 4.30 kg/m<sup>2</sup>



- C. Backing Class: 4-ply fused backing system that includes 1.7mm PVC internal layer and polyester mesh backing - Class A.
- D. Colors: Wood: Maple, Oak, Beech, Golden Cherry, Cherry, Zelkova, Tiger Oak, Antique Oak, Solid: Gray, Dark Blue, Beige, Green, Dark Green, Teal, Red, Orange, Yellow, Sky Blue
- E. Total Thickness: 6.5mm (0.256in.) (ASTM F 386)
- F. Wear Layer Thickness: 0.5mm (0.02in.) (ASTM F 410)

**Performance Characteristics:**

- A. Friction: Average 87 (NF EN 13036-4)
- B. Shock Absorption:  $\geq 25\%$
- C. Vertical Deformation: 1.0 (EN 14809)
- D. Vertical Ball Rebound: Average 96 (NF EN 12235)
- E. Behavior under Rolling Load: No damage (NF EN 1569)
- F. Resistance to wear: .21g (EN ISO 5470-1)
- G. Specular Gloss: 23% (EN ISO 2813)
- H. Resistance to Static Load: Average 0.33mm (NF EN 1516)
- I. Resistance to Impact: No Damage (NF EN 1517)
- J. Resistance to Repeated Impact: No Damage (TS 15122)

### **2.3.3 SIGNAFLEX – 8.0MM ROLLED SHEET VINYL**

Resilient Sheet Flooring: SignaFlex 8.0mm by Signature Sports Flooring with the following characteristics:

- A. Construction: High performance polyurethane top layer, clear 100% vinyl wear layer, high-res image layer, reinforcing woven glassfiber inner layer, closed cell foam backing
- B. Reference Specification: ASTM F 1303, Type I, Grade 1.
- C. Certification: Floorscore certified for Indoor Air Quality by SCS Labs.
- D. Recycled Content: Minimum of 20 percent post-consumer recycled content.

**Physical Data:**

- A. Roll Size: 8.0mm x 1.8m width x 11m long rolls (.314" x 71" x 36.1')
- B. Weight: 4.8 kg/m<sup>2</sup>



- C. Backing Class: 4-ply fused backing system that includes 1.7mm PVC internal layer and polyester mesh backing - Class A.
- D. Colors: Wood: Maple, Oak, Beech, Golden Cherry, Cherry, Zelkova, Tiger Oak, Antique Oak, Solid: Gray, Dark Blue, Beige, Green, Dark Green, Teal, Red, Orange, Yellow, Sky Blue
- E. Total Thickness: 0.334in. (ASTM F 386)
- F. Wear Layer Thickness: 0.02in. (0.5mm) - ASTM F 410

**Performance Characteristics:**

- A. Friction: Average 87 (NF EN 13036-4)
- B. Shock Absorption:  $\geq 25\%$
- C. Vertical Deformation: 1.0 (EN 14809)
- D. Vertical Ball Rebound: Average 99 (NF EN 12235)
- E. Behavior under Rolling Load: No damage (NF EN 1569)
- F. Resistance to wear: .21g (EN ISO 5470-1)
- G. Specular Gloss: 22% (EN ISO 2813)
- H. Resistance to Static Load: Average 0.31mm (NF EN 1516)
- I. Resistance to Impact: No Damage (NF EN 1517)
- J. Resistance to Repeated Impact: No Damage (TS 15122)

## 2.4 SIGNAGRIP ADHESIVES

- A. You must use Signature Sports Flooring adhesive with SignaFlex products.
- B. **SignaGrip 2100**—solvent-free hard-setting permanent acrylic adhesive for installing heterogeneous sheet and LVT products.
- C. **SignaGrip 3100**—solvent-free two-part epoxy for areas exposed to topical water, heavy rolling loads, and under hospital beds.
- D. **SignaGrip 5100**—solvent-free, *static dissipative* premium acrylic flooring adhesive designed to install static dissipative commercial grade PVC flooring.
- E. **SignaGrip 5500**—solvent-free, 2-part hard-setting epoxy conductive adhesive specifically formulated for the installation of Signature Sports Flooring tiles over porous and non-porous surfaces.
- F. Signature Sports Flooring supplies new trowel blades with every order



## **PART 3 — EXECUTION**

### **3.1 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. The installation of the resilient flooring shall not begin until the work of all other trades has been completed, especially overhead trades.
- D. Areas to receive flooring shall be adequately lighted during all phases of the installation process.

### **3.2 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Concrete Substrates: Prepare according to ASTM F 710. The Contractor shall verify to the Owner and installer a minimum of 30 days prior to the scheduled resilient flooring installation the following substrate conditions. All substrate testing shall be documented and submitted to the Architect and Owner before commencement of the flooring installation.
  - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
  - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
  - 3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
  - 4. Moisture Testing: Perform tests recommended by manufacturer and as follows. Proceed with installation only after substrates pass testing.
    - a. Perform alkalinity testing. Proceed with installation only if maximum pH is below 10.0
    - b. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 5 lb of moisture/1000 sqft (2.3 kg of water/92.9 sqm) in 24 hours.
    - c. Perform relative humidity test using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- D. Contingency for High Moisture Readings: If at the time of testing the moisture readings are in excess of the specified limits the Contractor will initiate testing using the Petrographic core analysis to determine if the water/cement ratio and sufficient hydration has taken place. The Contractor is to verify the results to the Owner and installer in writing.
- E. Moisture Remediation: Basic Steps as Follows.
  - 1. Removal of all floor coverings, adhesives residue, curing compounds, parting compounds or other surface contaminants by mechanical means (shot blasting or other suitable methods).
  - 2. Identification and treatment of all cracks and joints, by the sealer manufacturer's approved methods.
  - 3. Application of the sealer. Sealer shall be designed and warranted for the purpose of



- controlling excessive concrete moisture vapor emission and the alkali character of the concrete.
4. Application of a sacrificial cementitious topping to act as a substrate for the installation of the resilient floor coverings.

### 3.3 INSTALLING SIGNAFLEX - RESILIENT SHEET VINYL

#### A. General:

1. Flooring material and adhesive shall be acclimated to the installation area for a minimum of 48 hours prior to installation.
2. Use only Signature Sports Flooring SignaFlex adhesives.
3. Use a 1/32 inch by 1/16 inch by 1/32 inch (.75 mm by 1.5 mm by .75 mm) U-notch trowel only.
4. Material shall always be visually inspected prior to installations. Any material installed with visual defects will not be considered a legitimate claim as it pertains to labor cost.
5. Signature Sports Flooring sheet vinyl is dimensionally stable. It will not shrink or compress when properly installed. If cut too full, it may result in a bubble.
6. Install all cuts and rolls in consecutive sequence.
7. Do not reverse sheets for seaming.
8. Ensure that all recommendations for sub-floor and jobsite conditions are met prior to beginning the installation. Start of installation will indicate that Installer has accepted these conditions.

#### B. Cutting and Fitting Sheets:

1. Cut the required length off the roll, including enough to run up the wall 2 inches (52 mm) at either end.
2. Push the length of the sheet as close to the starting wall as possible, letting the extra length run up the wall at the far end.
3. Set the scribes to a minimum of 3/8 inch (9.5 mm) more than the greatest distance between the wall and the flooring material. Freehand knife or scribe the shape of the wall onto the flooring.
4. Push the fitted sheet lightly against the wall.
5. Continue freehand knifing around the room.

#### C. Flash Cove Installations

1. Flash coving is an extension of the sheet flooring up the wall to form a wall base.
2. Seams in the flash coved areas shall be treated the same as seams throughout the rest of the installation.
3. 4 inches to 6 inches (102 mm to 152 mm) flash coving is common. For all heights in excess of 6 inches (152 mm) check applicable local building codes.
4. Use SignaFlex 2100 in flash coved areas. Use a brush or roller to apply SignaFlex 2100 to the wall, over the cove stick and 1 inch to 2 inches (25 mm to 52 mm) onto the floor.
5. SignaFlex 2100 adhesive shall be allowed to dry to the touch so that there is little or no transfer of adhesive to the finger. Once the adhesive reaches the dry-to-the-touch state, it is ready.
6. After fitting material into adhesive, use a hand roller to assure contact with the adhesive.

#### D. Seaming:

1. Recess scribe method - On non-patterned material, trim approximately 1/2 inch (13 mm) off one salvage edge of seam with a straightedge and sharp knife or edge trimmer. Cut second sheet with proper extra length. Position second sheet with a 1/2 inch to 1 inch (13 mm to 25 mm) overlap over first sheet at the seam. Set recess scribes so that the seam will have a slight gap, about half the thickness of a razor blade. If cut too full, it will result in bubbles or ridges. Recess scribe seam. Repeat for as many sheets as necessary to complete the



- area.
2. Double cut method - Overlap the salvage edges to align the pattern width and length. Overlap the salvage edge approximately 1/2 inch (13 mm) to align the bevel edge of the planks. Place a 4 inch (102 mm) wide scrap of material under the seam area. Place a straight edge directly over the beveled edge of the plank, and using a new razor blade, hold the knife straight up and down and cut through both pieces in one cut.
  3. Lap back all overlapped sheets as one, half way back.
  4. Do Not back roll vinyl backed floorings.
  5. Do Not butt factory edges.
  6. Do Not straight edge and butt, or edge trim and butt.
  7. Snap white chalk lines along areas where adhesive will be spread to ensure an even and straight line of adhesive.
  8. Spread adhesive with proper notched trowel over entire area. Be very careful not to leave any adhesive ridges or puddles.
  9. Push lapped flooring from the fold into adhesive, working toward the wall. Do not flop material in; air will be trapped, causing bubbles.
  10. Roll floor with a minimum 100 lb roller in both directions. Roll across width first, then along length.
  11. After material has been laid into the adhesive, recess scribe the seams using either the scribe blade or scribe pin. Hold the knife blade straight up and down to make final cut. Do not undercut.

**NOTE:** Set recess scribes so that the seam will have a slight gap, about half the thickness of a razor blade. If cut too full, it will result in bubbles or ridges.

12. Roll the seam with a hand roller.
13. Repeat the same procedure for additional seams in the room.
14. Heat welding Signature Sports Flooring vinyl sheet flooring is always recommended.
15. Heat weld seams the following day. See heat weld instructions.

### 3.4 HEAT WELDING

- A. Heat welding is the recommended procedure for sheet vinyl seams, coving and corner fill pieces. Professionally heat welded seams provide a strong, watertight, hygienic, monolithic surface.
- B. The welding rod is made from PVC which is designed to melt at the same temperature as the PVC of the sheet flooring, permanently fusing the two together.
- C. Heat welding shall be done after the flooring adhesive has set up, usually the following day.
- D. Seam edges shall be slightly gapped and vertical. Wide gapped or undercut seams will prevent quality welds.
- E. The depth of the groove shall be 1/2 to 2/3 the thickness of the material. Be careful not to go too deep. The groove shall also be centered along the two edges. This is very important to ensure proper strength and bonding of the welding rod.
- F. Clean grooves thoroughly of all foreign contamination, including dust.
- G. Use only professional quality welding equipment that will maintain sufficient temperatures. Many types, sizes and styles of welding tips are available today. A tip shall be chosen to produce a quality weld without damaging the appearance of the sheet vinyl.
- H. Preheat welding gun before beginning. Temperature shall be set to approximately 750 degrees. It is



recommended that the installer perform a test weld on some waste material to verify proper temperature and welding speed prior to welding installed material.

- I. Determine the correct welding speed by ensuring that the welding rod actually fuses into the groove. A small ridge shall form on either side of the welding rod, at the vinyl surface. If no ridge forms, you have not heat welded the seam.
- J. While the welding rod is still warm, trim off 1/2 -2/3 the excess rod with a spatula knife and trim plate in one continuous movement.
- K. After the rod has cooled to room temperature, make the final trim pass using only a razor sharp spatula knife in one continuous movement.
- L. Apply a glaze to the surface of the trimmed weld. Remove the tip from the welding gun. Hold the gun a few inches above the welded seam and apply hot air along the seam until the surface of the weld rod begins to shine. The shine should not exceed the sheen level of the flooring. The glazed seam will be less porous, smoother, and less noticeable.

### **3.5 CHEMICAL WELDING**

- A. Ensure seam is completely clean and dry.
- B. Thoroughly shake the chemical seam sealer for proper mixing.
- C. Pour entire contents of sealer into applicator bottle.
- D. Insert the tip of the SSF welding applicator down into the seam.
- E. Pull applicator back along the seam at a steady pace applying a constant pressure on the bottle, applying enough sealer to seal the edges of the sheet and leaving a small bead of sealer on the surface of the seam.
- F. Clean up any excess sealer using a dry towel within 30 seconds after seam sealing.
- G. Caution: Chemical welding solution left on the surface of the floor for more than 30 seconds may damage the surface of the material.
- H. Keep all traffic off the seam for a minimum of 24 hours.

### **3.6 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

