



**Allied Industries International, Inc**

Distributed in Canada by:

LSI Floors

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**SECTION 10 02 13  
RECYCLED PVC SAFETY FLOORING INSTALLATIONS**

**PART 1 - GENERAL**

**1.01 SUMMARY**

A. This section includes furnishing all materials, labor, equipment, and related services necessary to supply and install recycled PVC safety flooring (Eco-Grip) as indicated in the contract documents, and in compliance with applicable codes.

**1.02 RELATED SECTIONS**

A. Division 96516 Standard Specifications for Resilient Sheet Flooring parts.

**1.03 REFERENCES**

A. ASTM International (ASTM)

1. E-648 Standard Specification for Product Thickness
2. D-2407 Standard Specification for Coefficient of Friction
3. D-751 Standard Specification of Product Gross Weight
4. G-21 Standard Specification for Bacteria and Mildew Resistance
5. E-90-09/NULAP 08/P06 Standard Specification for Airborne Sound Transmission loss
6. E-492-09/NULAP 08/P07 Specification for Sound transmission through floor-ceiling assemblies.

**1.04 SUBMITTALS**

A. Product Data: Submit product data sheets for each specified product.

B. Samples: Submit a minimum of 3 flat samples of Eco-Grip for use by the finishing contractor for shade selection.

C. Shop Drawings: Submit drawings for approval showing plans, sections and details of Eco-Grip floor components to the surrounding construction.

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## **1.05 QUALITY ASSURANCE**

A. Eco-Grip materials and Installation to conform to ASTM Standards governing resilient floor covering Parts, namely: C1355; C1381; and, C1467 including physical properties and tolerances. See 1.03 References.

B. Manufacturer Qualifications: Manufacturer shall have a minimum of 5 years experience having successfully supplied Eco-Grip flooring parts for other projects similar in scope and complexity as for the work of this Contract.

C. Installer Qualifications: Installer shall have a minimum of 3 years experience having successfully installed Eco-Grip flooring parts for other projects similar in scope and complexity for the work of this contract.

D. Substrates to accept Eco-Grip Flooring shall be installed using minimum 3000 PSI. concrete or better and shall be free of obstructions and interference that prohibits the correct installation of the Eco-Grip Flooring system.

## **1.06 DELIVERY, STORAGE AND HANDLING**

A. Eco-Grip flooring shall be kept clean and dry, and stored to prevent distortion, gouging, and other physical damage in accordance with the manufacturer's recommendations.

## **1.07 PROJECT CONDITIONS**

A. Environmental Limitations: Do not deliver or install Eco-Grip Flooring until building is enclosed and weatherproof, wet work is complete, and the HVAC system or temporary heating maintains temperature and humidity at normal occupancy levels.

B. Acclimatize Eco-Grip Flooring parts for a minimum of 24 hours to the ambient temperature and humidity levels of spaces in which they are to be installed.

## **PART 2 – PRODUCTS**

### **2.01 MANUFACTURERS**

A. Allied Industries International, Inc.

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### **2.02 RECYCLED PVC FLOORING (ECO-GRIP) PARTS**

A. Materials: Extrudes flexible PVC sheets made in accordance with ASTM E-492-09 Standard for Recycles PVC flooring (Eco-Grip) sheets.

B. Accessories: 2 pt. Epoxy Mastic , E.G. Sealant, E.G. Welded Rod, PVC Base Cap, Stainless Termination, Strips, screws and anchors made in accordance with sample and shop drawings and with ASTM D-2407 Standard for Recycled PVC Flooring (Eco-Grip) Accessories.

### **2.03 PHYSICAL PROPERTIES**

A. Recycled PVC Flooring (Eco-Grip) to meet the physical properties specified in section P-07 of ASTM Standard E-492-09.

- (1) Flexural Strength in accordance to ASTM C947;
- (2) Impact Resistance in accordance to ASTM D256;
- (3) Hardness in accordance to ASTM D2583;
- (4) Coefficient Friction in D-2407

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- (5) Surface Burning Characteristics in accordance to ASTM E84;
- (6) Bacteria and Mildew Resistance in accordance to ASTM G-21
- (7) Sound Transmission through Floor-Ceiling Assemblies in accordance to ASTM E-492-09/NULAP 08/P07

### **PART 3 – EXECUTION**

#### **3.01 EXAMINATION**

- A. Site Conditions: Verify the conditions for compliance with the requirements including environmental conditions, installation tolerances and other conditions affecting the installation and performance of Eco-Grip flooring parts. Any unsatisfactory conditions to be corrected prior to installation.
- B. Field Dimensions: Field dimensions are to be verified including those not shown on the drawings. Any discrepancies are to be brought to the attention of the Architect with resolutions to the discrepancies to be mutually agreed upon by all parties involved. Details of any changes required must be incorporated into the manufacturer's shop drawings prior to commencing the manufacture of the Eco-Grip flooring.

#### **3.02 PREPARATION**

- A. Substrate: Substrates to accept GRG parts, provided by others, shall be installed using minimum 3000 PSI concrete or better.
- B. Metal wall members, provided by others, shall be of the proper size and design for the intended use and shall be sufficient to properly work in concert with the installed Eco-Grip flooring parts.

#### **3.03 INSTALLATION**

- A. Comply with wall treatment or corner Standard for the Installation of Resilient Flooring.
- B. It is the Installer's responsibility to verify scope and to order the correct quantities of parts (including a waste allowance).
- C. Supply and install all base caps and sealant required for work in this section and to ensure a solid and secure installation of Eco-Grip flooring.
- D. Adhere all Eco-Grip flooring parts using Eco-Grip 2 pt Epoxy Mastic or Eco-Grip Seal Cartridge supplied adhesive.
- E. All joints in flooring should be heat welded using Eco-Grip 7 mm V-shaped welding rod and applicable welding tools.
- F. Use recessed drain lid detail on all circular penetrations and tinted Epoxy detail for all raised floor sinks.
- G. Countersink all thresholds and flatbar, screws and anchors as to be flush with termination or transition parts.

**END OF SECTION**

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