SECTION 05 55 00 Metal Stairs/Nosings

Part 1 – General

1.1 Summary


1) Retrofit Nosings (STNR) 2” aluminum nosing with 1” photoluminescent strip for existing stairs

2) Pour-in-Place Nosings (STNP) 2” clip on nosing assembly with 1” photoluminescent strip for new pan-filled stairs

3) Cast-in-Place Nosings (STNC) 2” assembly with 1” photoluminescent strip for new concrete insertion

4) Standard Nosing (STNS) 1 ½” aluminum nosing with 1” photoluminescent strip for Steel Stair Manufactures

5) Railing Strips (STNH) 1” pre-curved photoluminescent strip for round railing

6) Perimeter Marking (STNF) 1” photoluminescent strip for egress markings

1.2 References

A. International Building Code

B. International Fire Code


D. ASTM E2072 and ASTM E2073

E. ANSI A137.1 Flooring Slip Resistance

1.3 Submittals

A. Product Data: Include product description, materials and recommendations

B. Shop Drawings: Provide CAD or PDF drawings of nosing details

C. Samples:

1) Retrofit Nosing (STNR) 8 inches long with/ without construction cover

2) Pour-in-Place Nosing (STNP) 8 inches long complete assembly

3) Cast-in-Place Nosing (STNC) 8 inches long complete assembly
4) Standard Nosing (STNS) 8 inches long, includes construction cover
5) Railing Strip (STNH) 8 inches long, peel and stick adhesive included
6) Perimeter Marking (STNF) 8 inches long, peel and stick adhesive included

1.4 Delivery, Storage and Handling
   A. Protect from damage. Store in cool, dry location until installed.

1.5 Warranties
   A. All Safe-T-Nose products carry a one-year warranty to cover defects in materials and workmanship, limited to repair or replacement

Part 2 – Products

2.1 Basis of Design: Safe-T-Nose, LLC (www.safetnose.com)

2.2 Components
   A. Stair Nosings – Photoluminescent
      1) 1” wide photoluminescent material (Photo-Glo) adsorbing and storing energy from ambient light, not requiring external power supply
      2) Aluminum Alloy 6063-T5 for durable nosing base material
      3) STNP and STNC isolators made of Georgia Gulf 7181 for weatherability, impact strength, flame and chemical resistance
      4) Patented Construction Covers – no protective taping or tape removal
   B. Railing Strip – Photoluminescent
      1) 1” wide x 10" long contoured dome for round railing
      2) made of durable and easy to clean “golf ball” material
      3) cuts easily with scissors – no end caps required
      4) peel and stick – no additional adhesives required
   C. Perimeter Marking – Photoluminescent
      1) 1” wide x 100’ long roll, beveled edge to lay flat
      2) made of durable and easy to clean “golf ball” material
      3) cuts easily with scissors – no waste
4) peel and stick – no additional adhesive required

Part 3 – Execution

3.1 Examination
   A. Before installation, examine surfaces for appropriate application
   B. Commencement of work will imply acceptance of surfaces

3.2 Preparation
   A. Clean surfaces to remove dirt, dust, grease, oil, loose material or other matter that may affect bonding of photoluminescent products.
   B. Test substrates for compatibility before using other adhesives or mechanical fasteners.

3.3 Installation
   A. Install products to be plumb, square and in alignment where required.
   B. Follow supplied instructions for nosings.
   C. Keep construction covers on as long as practical to protect nosings during construction.

3.4 Waste Management
   A. Please reuse or recycle excess parts.

3.4 Protection
   A. Do not allow heavy objects to come in contact with installed products.