

Product Description

Roppe Metal Stair Treads, Nosings and Flat Steps are constructed of heat treated exterior grade aluminum 6063T3, which is resistant to most elements of corrosion.

The inlaid anti-slip epoxy color coating is color fast and resistant to

marring, scratching and chipping.

With availability in eight standard colors, including Glow-in-the-Dark inserts, which can be used to generate numerous color combinations due to the dual-channel face design.

Roppe Metal Stair Treads, Nosings & Flat Steps are supplied with pre-drilled, countersunk holes, which provide a flush finish when installed with mechanical fasteners.

Features

- **High Quality Metal**
- **Corrosion-Resistant**
- **Superior Durability**
- **ADA Compliant**
- **Optimized For Visually Impaired**
- **Excellent Slip Resistance**

Technical Data

ASTM E648 (NFPA 253) - Critical Radiant Flux: **Class I, > 0.45 W/cm²**

ASTM E662 (NFPA 258) - Smoke Density: **Passes, <450**

ASTM F925 - Chemical Resistance: **Passes (see chart)**

ASTM D2047 - Slip Resistance: **> 0.6**

California Title 24: **Passes**

Additional Information

Approved Adhesives

Premium, Exterior Grade Polyurethane Construction Adhesive.

Approved Fasteners

#10 Wood Decking Screws
#10 Self-Tapping Concrete Screws
#10 Stainless Steel Machine Screws

Custom Offerings

Custom lengths are available in 1" increments. Custom colored epoxy inlay is available for an additional charge. Contact a sales representative for more information.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit roppe.com

or send an e-mail to support@roppe.com.

Technical Documents & Support

Additional product resources and technical documents are available online at roppe.com. For additional technical support, send an e-mail to solutions@rhctechical.com.

Metal Treads

Standard Metal Stair Tread

Nose Type: **Square**
 Nominal Nose Length: **1 ¼" (31.75 mm)**
 Nominal Overall Thickness: **1/4" (6.35 mm)**
 Nominal Tread Depth: **9" (228.6 mm)**
 Nominal Tread Length: **36" (91.4 cm), 48" (1.22 m)**
 Nominal Safety Strip Width: **One 2" (50.8 mm) insert**
 Safety Strip Spacing: **~ 1/4" (6.35 mm) from nose**
 Safety Strip Material: **Epoxy w/ Aggregate**
 Pre-Drilled Hole Location: **1 ½" from leading edge,**
1 ⅝" from back edge
 Weight Per Lineal Foot: **2.5 lbs.**

Special Order Metal Stair Tread

Nose Type: **Square**
 Nominal Nose Length: **1 ¼" (31.75 mm)**
 Nominal Overall Thickness: **1/4" (6.35 mm)**
 Nominal Tread Depth: **7.5" (190.5 mm)**
11" (279.4 mm)
 Nominal Tread Length: **12" (91.4 cm) - 144" (3.66 m)**
(must be ordered in 1" Increments)
 Nominal Safety Strip Width: **One 2" (50.8 mm) insert**
 Safety Strip Spacing: **~ 1/4" (6.35 mm) from nose**
 Safety Strip Material: **Epoxy w/ Aggregate**
 Pre-Drilled Hole Location: **1 ½" from leading edge,**
1 ⅝" from back edge
 Weight Per Lineal Foot: **2.5 lbs.**

Metal Stair Nosing

Nose Type: **Square**
 Nominal Nose Length: **1 ¼" (31.75 mm)**
 Nominal Overall Thickness: **1/4" (6.35 mm)**
 Nominal Tread Depth: **4" (101.6 mm)**
 Nominal Tread Length: **1' (30.48 cm) - 10' (3.05 m)**
 Nominal Safety Strip Width: **One 1" (25.4 mm) insert**
 Safety Strip Spacing: **~ 1/4" (6.35 mm) from nose**
 Safety Strip Material: **Epoxy w/ Aggregate**
 Pre-Drilled Hole Location: **⅝" from leading edge,**
1/6" from back edge
 Weight Per Lineal Foot: **2.5 lbs.**

Metal Flat Step

Nose Type: **None**
 Nominal Overall Thickness: **1/4" (6.35 mm)**
 Nominal Tread Depth: **7" (117.8 mm)**
 Nominal Tread Length: **1' (30.48 cm) - 10' (3.05 m)**
 Nominal Safety Strip Width: **One 1" (25.4 mm) insert**
 Safety Strip Spacing: **~ 1/4" (6.35 mm) from nose**
 Safety Strip Material: **Epoxy w/ Aggregate**
 Pre-Drilled Hole Location: **⅝" from leading edge,**
1/6" from back edge
 Weight Per Lineal Foot: **2.5 lbs.**

Available Fasteners

Fastener Type: **#10 Wood Decking Screws**
#10 Self-Tapping Concrete
Screws
 Wood Fastener Length: **2" (50.8 mm)**
 Concrete Fastener Length: **1 3/4" (44.45 mm)**
 Packaged Quantity: **Packages of 9 or 13**

Fasteners Needed for Various Lengths

Under 21": **4 Holes**
 22" - 32": **6 Holes**
 33" - 45": **8 Holes**
 46" - 62": **10 Holes**
 63" - 75": **12 Holes**
 76" - 92": **14 Holes**
 93" - 113": **16 Holes**
 114" - 120": **18 Holes**

1. PRE-INSTALLATION CHECKLIST

- Carefully measure stairs to receive Metal Treads, Nosings and Flat Steps as they are difficult to cut on the job site. Angles, Miters or Notches can be ordered custom to aide in installation.
- Consult all associated product literature concerning adhesive installation, maintenance and warranty prior to installation of stair treads.

- Deliver all materials to the installation location in its original packaging with labels intact.
- Do not stack pallets to avoid damage.
- Remove any plastic and strapping from product after delivery.
- Inspect all material for proper type, color and matching lot numbers if appropriate.
- Ensure that all adhesives intended for installation are approved for use with stair tread, nosing or flat steps

and substrate.

- Do not proceed with installation until all conditions have been met.

2. SUBSTRATE PREPARATION

Substrates must be clean, smooth, dry, flat and structurally sound. **Use a straight edge or level to determine substrate flatness, as Metal Stair Treads will not conform to substrate.** Substrates must be free of visible water or moisture, dust, sealers, paint, sweeping compounds, curing

compounds, residual adhesives and adhesive removers, concrete hardeners or densifiers, solvents, wax, oil, grease, asphalt, visible alkaline salts or excessive efflorescence, mold, mildew and any other extraneous coating, film, material or foreign matter.

3. METAL TREAD, NOSING AND FLAT STEPS INSTALLATION

If material needs to be cut, it is recommend to use a wet band saw or diamond blade for cutting. After cutting the edges should be sanded with the appropriate high speed sander or grinder.

Determine the center of the stairwell and mark a center line on the riser portion of each step. Determine the center of each stair tread, nosing or flat step and mark a center line on the back edge of the tread for alignment during installation. **Material should have a gap of 1" or more around all sides in order to allow for uniform centering on stairwell.** Place each stair tread, nosing or flat step on the substrate and use a punch or marker to mark pre-drilled hole location onto substrate.

Measure the length of the desired fastener and use tape to mark hole depth on the drill bit, ensuring hole depth is 1/4" deeper than the length of the fastener. Using a hammer drill or equivalent and a suitable drill bit

(depending on substrate), pre-drill holes at pre-determined markings and depth. Apply a 1/2" bead of adhesive inside the stair nose, as well as around perimeter of each pre-drilled hole. Apply adhesive around perimeter of Metal Stair Tread, Nosing or Flat Step and create a tight serpentine or "S" pattern on the remainder of the backing. If the substrate nose has a large radius, apply two beads of adhesive at the center of the radius to ensure a tight fit. Use appropriate mechanical fastener to screw stair tread, nosing or flat step into place. Fasteners should sit flush with surface of the material. When installing over metal substrates, use a #10 Stainless Steel Flat Head Machine Screw and Bolt assembly including Washer to mechanically fasten. If installing over open access metal substrates, be sure to trim bolt after installation to ensure bolt end is flush with nut. **Protruding fasteners underneath could create a safety hazard.** Mechanical fasteners may need to be tightened and adjusted over time, especially if stairwell has heavy or continuous usage. Adhesive is not needed with the open access metal substrates.

4. INITIAL MAINTENANCE

Mix 2-4 ounces of Excelsior NC-900 All Purpose Neutral Cleaner per gallon of clean, potable water. Apply cleaning

solution to treads and let stand for 5-10 minutes. Use a 22 gauge soft bristled deck brush to scrub treads in order to remove dust, dirt and debris. If stair tread is heavily soiled, additional cleaning may be required. Rinse area with clean, cool water and allow floor to dry entirely.

Alternately, material may be cleaned with a pressure washer and Excelsior NC-900 All Purpose Neutral Cleaner. Be sure to use clean, potable water and ensure pressure does not exceed 1000 PSI.

Do not use detergents or abrasive cleaning type products, as they may cause abrasive strip to discolor.

Do not use Rock Salt as a de-icer, it will corrode the metal and epoxy color. Exposure to saltwater can provide corrosion and discoloration.

5. FLOORING PROTECTION

Do not slide or drag heavy equipment across the new stair treads.

6. WARRANTY

Roppe provides a 5 year limited warranty on all Metal Stair Treads, Nosings and Flat Steps. For additional information, see associated warranty documents.

FOR PROFESSIONAL USE ONLY. PLEASE CONSULT ALL ASSOCIATED TECHNICAL DATA SHEETS, SAFETY DATA SHEETS, MAINTENANCE DOCUMENTS AND WARRANTY INFORMATION PRIOR TO INSTALLATION.