ANTI-SLIP SAFETY STAIR
and WALKWAY PRODUCTS

Why specify Safety Stair and Walkway Products?
• ‘Anti-Slip’ Safety Treads and Safety Surfaces provide code compliant protection for safe egress.
• The use of Safety Stair and Walkway Products can help protect the Building Owner, and pedestrians with the latest available technology for making stairs and walkways safe.

Why specify ‘Wooster’?
• A ‘Wooster’ specification means the finest in quality, dependability and service.
• We are Safety Stair and Walkway experts! Wooster Products Inc has been furnishing “state-of-the-art” anti-slip Safety Treads and Safety Surfaces continuously since 1921!
• The most competent production team and friendly sales and support staff in the industry.

WAREHOUSE STOCK
• A Wooster Products Advantage
• Significant Warehouse Stock!
• Most orders ship in 1-2 days
• Please check with customer service on specific nosings and current inventory levels.
Supergrit® Treads Provide...
A heat-treated, corrosion resistant, extruded aluminum base with satin/lacquered finish. The use of diamond-hard aluminum oxide in the filler assures long tread life under heavy pedestrian traffic. Supergrit® is designed for both inside and outside use.

Supergrit® Features:
- Extruded aluminum base – abrasive filler
- Lengths to order, up to 12' 0" (3.66 m) in one piece
- Lengths over maximum to be made in equal sections
- Non-combustible
- High content of aluminum oxide abrasive
- 11 standard colors
- Colors extend throughout filler
- Protective tape available at extra cost

Supergrit®/STAIRMASTER® COLORS
Standard color is black. Black will be shipped unless another color is specified. See color chart below for other colors available.

SAFETY TREADS IN COLORS
Time-proven Supergrit® safety treads are available in colors for improved aesthetics.

SUPERGRIT® SPECIFICATION:
Provide Supergrit® type _______ safety nosings as manufactured by Wooster Products Inc. for interior and exterior stairs.
- Nosing base to be type 6063-T5 extruded aluminum.
- Anti-slip filler shall contain approximately 65% virgin grain Aluminum Oxide (AL₂O₃) abrasive.
- Nosings shall be non-combustible as tested under Federal Test Method Standard No. 501a, Method 6411.
- Type of anchor shall be as specified. See page 14 for anchor details.
- Nosings shall terminate not more than 4" (101.6 mm) from ends of steps for poured concrete stairs; for concrete-filled steel pan stairs, nosings shall be full length of steps less 1/8" (3.05 mm) clearance.
- Color shall extend uniformly throughout the filler; black color will be furnished if no other color is specified.
- Protective tape available upon request, at an extra cost.
- Protective tape should be removed as soon as possible once installed.

Note: Safety nosings going into new poured concrete or cement fill shall be installed before “INITIAL SET” of the concrete or cement occurs.
Nosings shall finish flush with the top of the traffic surface.
SUPERGRIT® PROFILES FOR NEW
CONCRETE STAIRS AND FOR STEEL PAN
MAXIMUM PIECE LENGTH IS 12 FEET
THE DUAL PURPOSE STAIR NOSING BY ‘WOOSTER’

STEEL PAN: Concrete filled, installed stringer to stringer less 1/8” clearance.

TYPE 121BF
1 7/8” (47.6 mm) wide
1/4” (6.35 mm) thick
nose 1 1/8” (28.58 mm) underside

TYPE 231BF
3” (76.2 mm) wide, 1/4” (6.35 mm) thick
nose 1 1/8” (28.58 mm) underside

TYPE 241BF
4” (101.6 mm) wide, 1/4” (6.35 mm) thick

DETAIL
Sure-hold anchor in sloped riser steel pan step.

NOTE: Nose design provides better fit at formed edge of steel pan.

SUPERGRIT® PROFILES FOR STEEL PAN
CONCRETE-FILLED STAIRS
MAXIMUM PIECE LENGTH IS 12 FEET

Full stringer length, less 1/4” clearance.

TYPE 242
4” (101.6 mm) wide
1/4” (6.35 mm) thick
nose 1 1/8” (28.58 mm) underside

TYPE 232
3” (76.2 mm) wide
1/4” (6.35 mm) thick
nose 1 1/8” (28.58 mm) underside

DETAIL
Sure-hold anchor in steel pan step.
SUPERGRIT® 2-STAGE STAIR NOSING FOR STEEL PAN OR Poured CONCRETE STEPS
MAXIMUM PIECE LENGTH IS 8 FEET

Specify SUPERGRIT® Replaceable Stair Nosings For:

- Fast easy replacement if damaged
- Visual appearance and durability
- Secure anchorage
- Indoor or outdoor use
- Premium quality construction with no clatter and an architecturally clean design.
- Nosings can be furnished with disposable wood insert for use during construction phase. After construction nosing inserts are installed for fresh, clean appearance.
- Furnished with SUPERGRIT® Filler in a wide range of colors.
- Steel pan or poured concrete steps.

Nosing insert installed after construction for fresh clean appearance.

Nosing insert used during construction.

FOR POURED CONCRETE OR STEEL PAN STAIRS
MAXIMUM PIECE LENGTH IS 12 FEET

**FOR POURED CONCRETE OR STEEL PAN STEPS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Width</th>
<th>Thickness</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>610</td>
<td>1/4&quot;</td>
<td>(6.35 mm)</td>
<td></td>
</tr>
<tr>
<td>630A</td>
<td>1/4&quot;</td>
<td>(6.35 mm)</td>
<td></td>
</tr>
</tbody>
</table>

HAS RECESS FOR TILE

**TYPE 431**
3 1/2" (88.9 mm),
1/4" (6.35 mm) thick,
1/8" (3.175 mm) nose underside
Specially designed with recessed back to receive 1/8" (3.05 mm) tile.

**TYPE 238**
3" (76.2 mm) wide
1/8" (6.35 mm) thick
1/8" (28.58 mm) nose underside

**TYPE 138**
3" (76.2 mm) wide
1/8" (6.35 mm) thick
1/8" (28.58 mm) nose underside
Specially designed for steel pan stairs with sloped risers

HAS VARIABLE NOSE DEPTH

**TYPE 133**
3" (76.2 mm) wide
1/8" (6.35 mm) thick
1 3/8" (44.45 mm) nose underside
Nose can be sheared for additional charge.

SUPERGRIT® CURVED & MITERED TREADS
FOR RADIUS APPLICATIONS – CONSULT FACTORY

NAVSEA LADDER TREADS
Sizes 4" – 6" – 9" • MIL-T-24634 (SH)
Custom Lengths • Full Treads • Cap Treads

**TYPE I FULL TREAD**
4" - Model 841
6" - Model 861
9" - Model 891

**TYPE II CAP TREAD**
4" - Model 842
6" - Model 862
9" - Model 892

* National Safety Council information

The tread provides non-slip protection as well as protection for the edge of the stair, preventing chipping and wear. Treads are shipped ready for installation.

- Lengths as required to 10’0” (3.048 m)
- Curves and miters to drawings or template
- Minimum radius 3’0” (914.4 mm)
- Guaranteed uniformity of width and thickness insures easy backing with floor tile
- Lead times increase for curved treads
- Only the following SUPERGRIT® treads are curved: types 121, 121BF, 131, 141, 231BF, 231BF, 241BF, 630, 630A, 610
**SPECTRA® Treads Provide...**

A high content of aluminum oxide abrasive grit for long life and lasting beauty. Spectra’s safety surface has easy maintenance features and insures excellent protection from liability of falls and injuries.

**SPECTRA® Features:**
- Extruded aluminum base – abrasive filler
- Lengths to order, up to 10’0” (3.048 m) in one piece
- Lengths over maximum to be made in equal sections
- Anti-slip abrasive extending over radius of nose
- High content of aluminum oxide abrasive
- 18 standard colors
- “Clean” architectural lines
- Protective tape available at extra cost
- Non-combustible

**Note:** Safety nosings going into new poured concrete or cement fill shall be installed before “INITIAL SET” of the concrete or cement occurs.

Nosings shall finish flush with the top of the traffic surface.

**SPECTRA® Two Stage Stair Nosing with Replacable Wood Insert for Protection During Construction**

- Premium quality construction with no clatter for an architecturally clean design.
- Designed for installation on steel pan stairs or poured concrete steps.
- Nosings can be furnished with disposable wood insert for use during construction phase. After construction anti-slip inserts are installed for a fresh, clean appearance.

- Fast easy replacement
- Visual appearance and durability
- Secure anchorage
- Indoor or outdoor use
- Matching or contrasting color decor
- Non-combustible
- Heavy pedestrian traffic

**SPECTRA® Specification:**

Provide Spectra® type _______ safety nosings as manufactured by Wooster Products Inc for interior and exterior stairs.

- Nosing base to be type 6063-T5 extruded aluminum.
- Anti-slip filler shall contain approximately 60% virgin grain Aluminum Oxide (AL2O3) abrasive.
- Binder is to be a fully-cured resilient type epoxy; epoxy binder to filler ratio to be 13% minimum for improved cleanability.
- Epoxy/Abrasive filler shall be securely bonded to the extruded aluminum base.
- Type of anchor shall be as specified. See page 14 for anchor details.
- Nosings shall terminate not more than 4” (101.6 mm) from ends of steps for poured concrete stairs; for concrete-filled steel pan stairs, nosings shall be full length of steps less 1/8” (3.05 mm) clearance.
- Color shall extend uniformly throughout the filler; black color will be furnished if no other color is specified.
- Protective tape available upon request at additional cost.
- Protective tape should be removed as soon as possible once installed.

**SPECTRA® Meets A.D.A. Requirements**

Safety treads in contrasting colors designed to enhance the safety and beauty of every architectural installation.

**SPECTRA® Nosing Types WP3C, WP3J, WP3SP**

- Furnished with Spectra filler in a wide range of colors.
- Nosings can be replaced if damaged, without costly demolition of stairs.
- For steel pan or formed concrete steps.
- Spectra® features Non-combustible per Federal Test 501a

**SPECTRA® WP3C**

- 2” (50.8 mm) wide
- 1/2” (12.7 mm) thick

**SPECTRA® WP2003**

- 4.062” (103.2 mm) wide
- 1/2” (12.7 mm) thick

**SPECTRA® WP-RN2SP**

- 2” (50.8 mm) wide
- 1/2” (12.7 mm) thick

**SPECTRA® WP-RN3SP**

- 3 3/16” (79.375 mm) wide
- 1/2” (12.7 mm) thick
### SPECTRA® PROFILES FOR NEW CONCRETE STAIRS

**Maximum Piece Length is 10 Feet**

- **TYPE WP3J**
  - 3/16" (77.79 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

- **TYPE WP2C**
  - 2 1/16" (52.39 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

- **TYPE WP3T**
  - 3 1/16" (77.79 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

- **TYPE WP4T**
  - 4 1/16" (103.19 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

**Sections Not to Scale**

**Detail**

- Sure-hold anchor in steel pan step

**NOTE:** Nose design provides better fit at formed edge of steel pan.

**SECTIONS AVAILABLE WITH COUNTERSUNK HOLES AND FASTENERS**

- TYPE WP2T
  - 2 1/16" (52.39 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

- TYPE WP3T
  - 3 1/16" (77.79 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

- TYPE WP4T
  - 4 1/16" (103.19 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1/4" (6.35 mm) underside

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### SPECTRA® PROFILES FOR STEEL PAN CONCRETE-FILLED STAIRS

**Maximum Piece Length is 10 Feet**

- **TYPE WP3SP**
  - 3/16" (77.79 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

**Sections Not to Scale**

**Detail**

- Sure-hold anchor in steel pan step

**SECTIONS AVAILABLE WITH COUNTERSUNK HOLES AND FASTENERS**

- TYPE WP2SP
  - 2 1/16" (52.39 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

- TYPE WP3SP
  - 3 1/16" (77.79 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

- TYPE WP4SP
  - 4 1/16" (103.19 mm) wide, 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

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### SPECTRA® PROFILE FOR SLOPED RISER STEEL PAN STAIRS...

**Meets OSHA Barrier-Free Design, Maximum Piece Length is 10 Feet**

- **TYPE WP2J**
  - 2 1/16" (52.39 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

**Sections Not to Scale**

**Detail**

- Sure-hold anchor in steel pan step

**SECTIONS AVAILABLE WITH COUNTERSUNK HOLES AND FASTENERS**

- TYPE WP2J
  - 2 1/16" (52.39 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1 1/6" (28.58 mm) underside

- TYPE WP3J
  - 3 1/16" (77.79 mm) wide
  - 3/8" (9.53 mm) thick
  - Nose 1 1/8" (28.58 mm) underside

**NOTE:** Nose design provides better fit at formed edge of steel pan.

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### SPECTRA® RECESSED INTO STEP SURFACE

**Maximum Piece Length is 10 Feet**

- **TYPE WP1**
  - 3/8" (9.53 mm) thick
  - 3/4" (19.05 mm) wide

**Sections Not to Scale**

**Detail**

- Recessed into concrete step

**SECTIONS AVAILABLE WITH COUNTERSUNK HOLES AND FASTENERS**

- TYPE WP1A
  - 3/8" (9.53 mm) thick
  - 3/4" (19.05 mm) wide

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### SPECTRA® COLORS

Standard color is black. Black will be shipped unless another color is specified. See color chart below for other colors available. Actual tread color may vary slightly from printed sheet. Request tread sample if color is critical.
NITEGLOW®

Anti-Slip Glow-in-the-Dark Safety Treads

• Illuminate dark egress paths
• Entire photoluminescent area is slip resistant
• Recharged by any light source, natural or artificial

SAFETY GUIDANCE SYSTEMS

Bring your building into compliance with the NYC, International Building and International Fire Codes. Section 1024 of the IBC and IFC codes call for Photoluminescent markings to be used in egress exit stairwells of buildings over 75 feet tall.

• **CODE 1024.2.1 STEPS** – continuous stripe on leading edges – utilize models 333-NG or 500-NG
• **CODE 1024.2.2 LANDINGS** – continuous stripe on the leading edge – utilize models 333-NG or 500-NG
• **CODE 1024.2.3 HANDBRAILS AND EXTENSIONS** – stripe on the top of handrails – utilize model 408.3
• **CODE 1024.2.4 PERIMETERS** – solid stripe on landings and other floor areas within exit enclosures. Either wall or floor mounted. Utilize model 408.3
• **CODE 1024.2.5 OBSTACLES** – obstacles projecting more than 4” or below 6’6” shall be marked with alternating bands of luminescent and black strips – utilize model 412.2
• **CODE 1024.2.6 DOORS FROM EXIT ENCLOSURES** – marked with a luminous exit symbol – utilize models 40.10 - 40.13 or 40.22 (consult factory for additional signs)
• **CODE 1024.2.6.2 DOOR HARDWARE** – shall be marked with no less than 16 square inches of luminous material – utilize models 40.21 or 408.3
• **CODE 1024.2.6.3 DOOR FRAME** – Top and sides of doors shall be marked with continuous luminous stripes – utilize models 408.3

**GUIDELINES FOR STEPS & LANDINGS PHOTOLUMINESCENT (GLOW-IN-THE-DARK) REQUIREMENTS.**

• The entire horizontal leading edge of each step and landing shall be marked with a solid and continuous stripe of photoluminescent material. The dimensions, distances and locations shall be uniform throughout.

**FEATURES**

Our pigment is *embedded* in a hard epoxy mixture that meets all anti-slip and brightness codes. It is *not* a thin adhesive tape or coating with inadequate coefficient of friction ratings.

Glow in the dark treads are not designed to provide enough light to illuminate the dark egress path, but rather to provide luminescent outlines of the egress stairs.

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Wooster NITEGLOW® Products have been Tested and Approved for:

- **Brightness rating:** ISO 17398:2004
- **Washability:** ASTM D 4828-1994 (2303)
- **Toxicity Bombardier:** SMP 800-C
- **Radioactivity:** ASTM D 3648-2004
- **Flame Spread:** ASTM D 635-2003
NITEGLOW® Photoluminescent Exit Pathway

**Features**
- Fast easy replacement if damaged
- Visual appearance and durability
- Secure anchorage
- Wood insert for construction phase
- Steel pan or poured concrete steps
- Indoor or outdoor use
- Non-combustible
- Heavy pedestrian traffic
- Maximum length 8 feet

**Stairmaster® 333-NG**
- Stairmaster® 333-NG high-quality lowest cost stair nosing. Easy to install utilizing construction adhesive and predrilled holes.

**Stairmaster® 500-NG**
- Stairmaster 500-NG installed on stairways provides safety in two ways, prevents slips and falls and illuminates the front of the stairs for evacuation safety.

**NITEGLOW® Photoluminescent Stair Nosings & Treads**

**SuperGrit® Two Stage Stair Nosing**
- Provides SuperGrit® type 6063-T5 extruded aluminum nosing base.
- Anti-slip abrasive Photoluminescent glow area with excellent cleanability.
- Highest possible score of 10 on the ASTM coefficient of friction meets or exceeds OSHA standard 1910.22, ASTM and military specifications.

**NITEGLOW® Stair Treads and Nosings**
- IBC, IFC, and NYC code compliance.

**Photoluminescent Signs and Tapes**

**25 Year Limited Warranty on Glow. Expect Service life GREATER than 50 years!**

*800-321-4936 www.wooster-products.com*
ABRASIVE CASTINGS SPECIFICATION:

Provide Alumogrit® or Ferrogrit® type _____, size _____, safety treads/nosings as manufactured by Wooster Products Inc. for interior and exterior stairs.

- Abrasive shall be #20 virgin grain Aluminum Oxide (Al₂O₃) abrasive, integrally cast into the walking surface to a minimum depth of 1/32 inch (.79 mm).
- Safety nosings up to 6" (152.4 mm) deep with cross-hatched surface being installed into wet concrete shall have a “Marker Line” (Trademark 3571602) along the back edge.
- Concealed type anchors shall be slotted rivet type, integrally cast into the body of the nosing a minimum of 3/8 inch (9.53 mm). (Not mushroom type.)
- Cast metals used shall conform to the following specification:
  - Alumogrit® (Abrasive cast aluminum): No. 43 prime and secondary ingot; low copper content; corrosion-resistant.
  - Ferrogrit® (Abrasive cast iron): Class 20 iron; high silicon; machinable, hypereutectic.
- All holes or countersinks shall be machine-made. Screwheads shall not protrude above tread surface.
- All metal types shall have shot-blasted finish; Ferrogrit® treads and nosings to have one coat shop-black paint.
- Cross hatching and fluting shall be 1/16 inch (1.59 mm) deep minimum and shall be clean and well defined; treads and nosings shall be manufactured, packed and shipped so as to arrive at the jobsite in good condition.
- Nosings shall terminate not more than 4" (101.6 mm) from ends of steps for poured concrete stairs; for concrete-filled steel pan stairs, nosings shall be full length of steps, less 1/8" (3.05 mm) clearance.

Note: Safety nosings going into fresh poured concrete shall be installed before “Initial Set” of the concrete.

Non-structural stair nosings and treads for Poured concrete and steel pan concrete-filled stairs

ALUMOGRIT®
5/16” and 3/8” thick - nosing width to 6” - max. length 8’6”
3/8” thick - over 6” to 12” width - max. length 6’
Types: 101, 101SP, 100, 102, 110 and 120
5/16” thick - over 6” to 12” wide - max. length 6’
Types: 103, 104, 116, 116A and 105A
5/16” thick - over 6” to 9” width - max. length 6’
FERROGRIT®
5/16” thick - nosing max. 6” wide - max. length 8’6”
3/8” thick - nosing width to 6” - max. length 8’6”
3/8” thick - over 6” to 12” wide - max. length 6’

GUIDELINES FOR THE INSTALLATION OF METAL SAFETY TREADS OR NOSINGS INTO NEW CONCRETE OR STEEL PAN-FILLED STAIRS:

- The use of very large aggregate in the concrete mix may make placement of the safety nosing difficult.
- Safety nosing placement may be difficult in concrete with very low slump.
- Place the concrete into the stair forms or steel pans as quickly as possible; schedule pours so as to install the metal safety nosings quickly, before the “Initial Set” of the concrete occurs.
- Puddle the concrete, tamp the safety nosings to insure proper concrete formation around the anchors.
- Remove the protective tape as soon as practical.

NOTE: Most nosings, stair treads and other anti-skid products are manufactured to order. Please contact Wooster Products Inc. for current lead time.

Close stairway after pour; permit no use for 24 hours.
MEETS ADA REQUIREMENTS

Please call Wooster Products Inc for current availability.

These sections available with concealed integral anchors, wing anchors, or countersunk holes (See page 14 for details).

Maximum Piece length is 8’6”

POURED CONCRETE

TYPE 101 – Nose ¾” (6.35 mm) lip.
Chief use: as nosings, formed concrete stairs. Tread installed flush all around.

TYPE 116 – Nose depth 1” (25.4 mm) standard.
Chief use: as nosings, formed concrete stairs where deeper lip is desirable.

TYPE 102 – Nose ½” x ¾” (12.7 mm x 9.53 mm). Chief use: as nosings on steel-pan stairs. Can also be used structurally with bent-plate risers.

TYPE 103 – Nose ¾” x ¾” (19.05 mm x 19.05 mm). Chief use: as structural treads with bent-plate risers or as nosings full width of stair.

TYPE 116A – Nose depth 1” (25.4 mm) standard. Chief use: on top of existing steps for repair and modernization.

CONCRETE CURBS

TYPE 150
1½” x 1½” x ¾” (38.1 mm x 38.1 mm x 9.53 mm)
Maximum length 6’0” (1.83 m)

TYPE 250
2½” x 2½” x ¾” (63.5 mm x 63.5 mm x 12.7 mm)
Maximum length 6’0” (1.83 m)
(Steel Anchor ONLY)

CAST: Integral anchors
STD

Specify Abrasive Castings For:
• Maximum Durability in Rough Use
• Indoor or Outdoor Use
• Resistance to Corrosive Environments
• Anti-Slip Safety Properties
• Ready to Install Convenience
• New Construction or Existing Buildings

FOR EXISTING STAIR REPAIR

TYPE 101SP – Nose ⅜” (9.53 mm).
Chief use: as nosings on steel-pan concrete-filled stairs or on existing steps.

TYPE 102SP – Nose ½” x ⅜” (12.7 mm x 9.53 mm). Chief use: as nosings on steel-pan stairs. Can also be used structurally with bent-plate risers.

TYPE 102 – Nose ⅜” (9.53 mm). Chief use: as nosings on steel-pan stairs. Can also be used structurally with bent-plate risers. Consult factory when holes for fastening are required.

MISCELLANEOUS USES

TYPE 100
Square edges. Chief uses: floor plates, trench covers, stair landing platforms, expansion joint covers.

TYPE 1110
Rounded edges. Chief uses: Expansion joint covers, platforms around machinery, deck treads.

TYPE 120
One edge rounded. Chief use: nosings on steel grating treads and for special conditions, usually superimposed.

TYPE 950
Ladder Rung.
Alumogrit® 2”x18” piece size

Specify Abrasive Castings For:
• Maximum Durability in Rough Use
• Indoor or Outdoor Use
• Resistance to Corrosive Environments
• Anti-Slip Safety Properties
• Ready to Install Convenience
• New Construction or Existing Buildings

Ferrogrit® is not recommended for corrosive environments.
Ferrogrit® is not recommended for outdoor use due to possible rust appearance.
Castings are subject to usual foundry draft, tolerances and thickness ± 1⁄32”.
Nosings may show a parting line on the nose surface.
Standard measurements are from top of the leading edge.
Custom lengths to ± 1⁄32”.
Standard hole size ⅛” with countersunk hole tops.
Standard depths; 3”, 4” and 6”
Standard drilling; 3” from ends on approximately 12” centers.
Beveled treads. Contact factory on availability per application.
Lengths over maximum to be made in equal sections.

Specify Abrasive Castings For:
• Maximum Durability in Rough Use
• Indoor or Outdoor Use
• Resistance to Corrosive Environments
• Anti-Slip Safety Properties
• Ready to Install Convenience
• New Construction or Existing Buildings

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NOTE: Thicknesses are minimum for casting purposes and not always sufficient for structural strength. Where width exceeds 18" (457.2 mm), maximum piece length 6'0" (1.83 m). Where width exceeds 38" (965.2 mm), maximum piece length 5'0" (1.52 m). Color may vary from piece to piece for all metals. Cross-hatched, or flutes, may not match when multiple sections are used.
BRING ATTENTION TO EDGE OF THE STEP!
1" Yellow Stripe or NITEGLOW® Stripe available on nosing or treads.

Nosings or treads MUST BE at least 3/8" thick and at least 4" wide.

Available in Alumogrit ONLY!
Consult factory for stripe location and additional cost.
FRESH CONCRETE

SURE-HOLD ANCHOR

Sure-Hold anchors run full length of tread for positive anchorage and quick installation. Since Sure-Hold anchors are concealed, no bolt holes appear on the tread surface. Available as shown on nosings.

WING TYPE ANCHOR FOR CAST AND EXTRUDED NOSINGS

Steel wing anchors, bolts, and nuts are furnished for field attachment into factory-drilled and ctsk. holes, prior to tread installation. From ends on approx. 12” (304.8 mm) centers. In single, staggered or double row, according to tread width. Can be furnished on most types if specified.

¾” length = FHMS. Wing metal, standard mild steel. Stainless steel upon request. Tapcon screws also available for cast nosings and treads.

CONCEALED INTEGRAL ANCHOR

This concealed type anchor can be furnished on types 101, 101-SP, 116, 102, 103, 104, 105A, 100 but MUST BE SPECIFIED.

AVAILABLE TO PURCHASE:

PROTECTIVE TAPE

Nosings for new construction can be furnished with protective tape. This tape should be removed soon after stairs are installed. Tape should not be left on treads longer than 30 days.

INSTALLATION DETAILS

TYPE 231 BF
Sure-Hold anchor in sloped riser steel pan step.

Type 500 Stairmaster® installed on wood step (wood screws available). If steps are other than wood, use screws with expansion shield or nut and bolt or Tapcon screws and an application of construction adhesive.

Type 101 with wing type anchors in poured concrete stair.

Type 101SP with concealed integral anchor in steel pan stair.

Type 133 Supergrit® with wing anchors in concrete filled steel pan.

Type WP3C with integral Sure-Hold anchor in new concrete stair.

Type 132 Supergrit® attached to wood tread and backed with tile, carpet, or other material.

INSTALLATION TAPE

Two sided tape:
• Use as metals barrier in steel stair applications.
• Use to secure nosings to steel pans before pour.
• Use to install renovation treads indoors or outdoors.

Available in four sizes 3/4”, 6”, 8 1/2”, 10 1/2”

TYPICAL INSTALLATION DETAILS FOR WOOSTER SAFETY TREADS

EXISTING CONSTRUCTION

WOOD OR MACHINE SCREWS

Treads being superimposed on existing stairs can be furnished pre-drilled and ctsk. for wood, machine or Tapcon screws. Standard spacing is 3” (76.2 mm) in from each end, approx. 12” (304.8 mm) centers, in single, staggered, or double row, according to tread width. Will furnish #10 screws.

SILVER TAPCON SCREWS

BOLTED TO STEEL PAN RETURN

Nut and Bolt anchorage can be provided for new steel pan stairs. Pan return must be 1” (25.4 mm) minimum. Specify pan return depth for drilling purposes. Can be furnished on types WP-2, WP-RN2SG, WP-RN2SP, WP-RN2-NG, WP-RN3SP, WP-RN3SP-NG, WP-RN3SP-NG, 122, 132, 138, 142, 133, 162, 101-SP, 102, 103, but MUST BE SPECIFIED. Standard hole spacing is 3” (76.2 mm) from ends on approx. 12” (304.8 mm) centers.

SCREW & SHIELDS

CONCEALED INTEGRAL ANCHOR

This concealed type anchor can be furnished on types 101, 101-SP, 116, 102, 103, 104, 105A, 100 but MUST BE SPECIFIED.

3/4” length – FHMS. Wing metal, standard mild steel. Stainless steel upon request. Tapcon screws also available for cast nosings and treads.

PRIVATE TAPE

Nosings for new construction can be furnished with protective tape. This tape should be removed soon after stairs are installed. Tape should not be left on treads longer than 30 days.

TYPE 231 BF
Sure-Hold anchor in sloped riser steel pan step.

Type 500 Stairmaster® installed on wood step (wood screws available). If steps are other than wood, use screws with expansion shield or nut and bolt or Tapcon screws and an application of construction adhesive.

Type 101 with wing type anchors in poured concrete stair.

Type 101SP with concealed integral anchor in steel pan stair.

Type 133 Supergrit® with wing anchors in concrete filled steel pan.

Type WP3C with integral Sure-Hold anchor in new concrete stair.

Type 132 Supergrit® attached to wood tread and backed with tile, carpet, or other material.

INSTALLATION TAPE

Two sided tape:
• Use as metals barrier in steel stair applications.
• Use to secure nosings to steel pans before pour.
• Use to install renovation treads indoors or outdoors.

Available in four sizes 3/4”, 6”, 8 1/2”, 10 1/2”
STAIRMASTER®
For Existing Stairs

SPECIFY “STAIRMASTER®” FOR WORN AND SLIPPERY STAIRS

Stairmaster® Safety Treads are designed for the modernization and restoration of all types of stairs, while also providing excellent anti-slip protection.

Two-tone treads with contrasting color available.

Stairmaster® Safety Treads provide a fast and economical alternative to removal and reconstruction of a stairway.

Wooster Products Leveling Compound is available to fill/level worn steps before installing Stairmaster® treads.

Use construction adhesive in addition to mechanical fasteners for the best installation results.

See page 3 for material specifications.

• Special tread sealer available for wood or saltwater applications.

STAIRMASTER® ON CONCRETE STAIR, CUT TO FIT AROUND THE POST & THE LENGTH OF THE STAIR WITH SQUARE ENDS.

Most styles available up to 12’0” in one section. Maximum piece length on type 333, 6100, 511SN and 511 is 8’0”. Drilled and countersunk holes are standard unless otherwise specified. Beveled ends, countersunk holes and tapcon screws are standard, unless specified.
"STAIRMASTER®" Coverage of Landings

Full or partial coverage can be provided on landings.

Use treads below to cover depths greater than 11 inches. In addition to landings, treads can be used for applications like floors behind cafeteria counters, door sills, ramps, floor divisions, industrial platforms and in front of machines.

<table>
<thead>
<tr>
<th>EXAMPLES OF TREAD TYPES</th>
<th>USED TO COVER A LANDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 182 or 162</td>
<td>Type 366 or 6100</td>
</tr>
<tr>
<td>Type 540 or 570</td>
<td></td>
</tr>
</tbody>
</table>

TYPES OF LANDINGS

LEVELING COMPOUND

Leveling Compound is supplied in 50-lb pails and consists of specially formulated components. Just add water, mix and compound is ready for troweling. It will not shrink as it dries and can be featheredged. One drum covers 50 square feet of surface in 1/8" thickness. Compound adheres to most surfaces; wood, concrete, steel, marble, etc. No primer required.

HEAVY DUTY CONSTRUCTION ADHESIVE

- 12 - 10.5 oz. cartridges per case
- VOC Compliant
- Use in addition to mechanical fasteners
- Coverage 70 lineal feet of tread per case, 5/16" bead

FLEXMASTER® Safety Existing Buildings Treads

FLEXMASTER® treads beautify and protect worn or slippery stairs.

Sizes Available:

- Type #365, 6-1/2" wide
- Type #300, 9" wide
- Type #311, 11" wide

- Treads are furnished drilled and countersunk unless otherwise specified.
- Maximum length = 12’ 0”

Flexmaster - this state of the art design is: inexpensive, easy to install, ADA approved, title 24 applicable, easily replaceable.

The tread base is made of Alloy 6063-T5 extruded aluminum, with a 5/32" thickness minimum. All exposed aluminum will have a satin-lacquered finish. Color extends uniformly throughout the abrasive surface; available in any Flex-Tred color.

- Reduce Liability Claims
- Meet OSHA & ADA Safety Regulations
- Promote Pedestrian Safety
- Reduce Lost-time Accidents Quickly
- Durable
- Long Lasting
- Inexpensive
- Easily replaceable
- Color coordinated surfaces available
- Title 24 applicable
- A.D.A. approved
- Durable safety surface
- NITEGLOW® available
- Indoor/outdoor use

3-Year Warranty

on material and workmanship.

FLEXMASTER® is available with NITEGLOW® Glow-In-The-Dark anti-slip surface.

Not MEA or IBC Approved

No additional cost for two color.

EXISTING BUILDINGS

800-321-4936  www.wooster-products.com
FLEX-TRED®

Flex-Tred® heavy-duty safety surface is quick to install and provides durable pedestrian safety on slippery surfaces. Uses: ramps, light traffic stairs, exercise equipment, industrial equipment, aisles, entrances, skateboards.

Flat black medium is a standard color and will be furnished unless another color is specified.


General Note: Standard tolerance ± 1/16”

STANDARD ROLL SIZES

Flex-Tred® heavy-duty safety surface is quick to install and provides durable pedestrian safety on slippery surfaces. Uses: ramps, light traffic stairs, exercise equipment, industrial equipment, aisles, entrances, skateboards.

Flat black medium is a standard color and will be furnished unless another color is specified.


General Note: Standard tolerance ± 1/16”

STANDARD ROLL SIZES

<table>
<thead>
<tr>
<th>Roll Size</th>
<th>Packs per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4” x 60 ft.</td>
<td>16 rolls per carton</td>
</tr>
<tr>
<td>1” x 60 ft.</td>
<td>12 rolls per carton</td>
</tr>
<tr>
<td>2” x 60 ft.</td>
<td>6 rolls per carton</td>
</tr>
<tr>
<td>3” x 60 ft.</td>
<td>4 rolls per carton</td>
</tr>
<tr>
<td>4” x 60 ft.</td>
<td>3 rolls per carton</td>
</tr>
<tr>
<td>6” x 60 ft.</td>
<td>2 rolls per carton</td>
</tr>
<tr>
<td>8” x 60 ft.</td>
<td>3 rolls per carton</td>
</tr>
<tr>
<td>12” x 60 ft.</td>
<td>1 roll per carton</td>
</tr>
<tr>
<td>18” x 60 ft.</td>
<td>1 roll per carton</td>
</tr>
<tr>
<td>24” x 60 ft.</td>
<td>1 roll per carton</td>
</tr>
</tbody>
</table>

Custom Sizes On Request

STANDARD DIE-CUT SIZES

All standard sizes are packed 50 pieces each carton.

STRIPS AND CLEATS STANDARD CUT SIZES:

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” x 24”</td>
<td>51⁄2” x 51⁄2” Dia.</td>
</tr>
<tr>
<td>51⁄2” x 51⁄2” Dia.</td>
<td>6” x 9’ Arrow</td>
</tr>
</tbody>
</table>

MOP FRIENDLY MARINE & POOL COLORS

With a special design for bare feet, Flex-Tred®’s abrasive surface is adhesive backed, economical and easily installed. Special shapes available for OEMs. Ready for immediate use on pool decks, ramps, pleasure crafts, fishing docks, and boats. Order from our standard size rolls, standard die-cut sizes, or custom order your own die cut shape.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teak Brown</td>
<td>Use edge sealer for wet environments.</td>
</tr>
<tr>
<td>Pebble White</td>
<td>Barefoot Friendly</td>
</tr>
<tr>
<td>Clear Fine</td>
<td></td>
</tr>
<tr>
<td>Marine Black</td>
<td></td>
</tr>
</tbody>
</table>

FLEX-TRED® COLOR CHART

Color coordinate with Flex-Tred® – key to decor – show contrast. Our variety of colors gives you a variety of options. Grades of coarseness, available only in black.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Red</td>
<td></td>
</tr>
<tr>
<td>Industrial Brown</td>
<td></td>
</tr>
<tr>
<td>Ocean Gray</td>
<td></td>
</tr>
<tr>
<td>Striped Safety</td>
<td></td>
</tr>
<tr>
<td>Camouflage</td>
<td></td>
</tr>
<tr>
<td>Scarlet Red</td>
<td></td>
</tr>
<tr>
<td>Safety Yellow</td>
<td></td>
</tr>
<tr>
<td>Standard Black</td>
<td></td>
</tr>
<tr>
<td>Fire Orange (fluorescent)</td>
<td></td>
</tr>
<tr>
<td>Aurora Pink (fluorescent)</td>
<td></td>
</tr>
<tr>
<td>Saturn Yellow (fluorescent)</td>
<td></td>
</tr>
<tr>
<td>Horizon Blue (fluorescent)</td>
<td></td>
</tr>
<tr>
<td>Clear Coarse</td>
<td></td>
</tr>
<tr>
<td>NITEGLOW® Glow in the Dark</td>
<td></td>
</tr>
<tr>
<td>Caribbean Blue</td>
<td></td>
</tr>
</tbody>
</table>

*Actual color may vary slightly from printed sheet. Request sample if color is critical.

* National Safety Council information

800-321-4936    www.wooster-products.com
**APPLICATIONS**

Anywhere You Need an Anti-Slip Surface

**Walkways**
- stairs
- entrances
- ramps
- docks
- pool areas
- porches
- decks
- balconies
- ski-lift access areas
- catwalks
- patios
- galleys
- etc.

**Product**
- recreational vehicles (campers, motor homes, trailers)
- exercise equipment
- lawn and garden equipment
- lift trucks
- ladders
- trucks
- construction equipment
- farm tractors and equipment
- playground equipment
- skateboards
- skis
- spas
- utility vehicles
- boats
- aircraft
- baggage handling equipment
- snowmobiles
- golf carts
- bumpers
- running boards
- etc.

**Workplace**
- around work benches
- laundries
- machinery work stations
- kitchens
- platforms
- scaffolds
- cherry pickers
- boiler and furnace areas
- etc.

**FLEX-TRED® Improves Coefficient of Friction of Most Surfaces in Wet or Dry Use**

Coefficient of friction tests run per specification Mil-D-17951C (ships) using rubber test vehicle. Higher numbers indicate better coefficient of friction.

**GENERAL PROPERTIES**

- **Flexability** - Flex-Tred® bends over sharp 90° angles without fracture. Repeated bending without cracking or failure of bond.
- **Temperature Limits** - Applied Flex-Tred® has a useful temperature range of -40°F to 220°F. However, limited exposure to temperatures above 220°F will not harm Flex-Tred®.
- **Steam Cleaning** - Applied Flex-Tred® will tolerate steam cleaning.
- **Detergent Cleaning** - Applied Flex-Tred® will tolerate detergent cleaning.
- **Environmental Resistance** - Flex-Tred® is essentially unaffected by climactic exposure and mild acid or alkali exposure under normal conditions.
- **Shelf Life** - Flex-Tred® shelf life is two years minimum.

**BENEFITS**

- **Anti-slip** wet or dry
- **Reduces liability exposure**
- **Quick & Easy to Install**
- **Economical**
- **Durable** - long wearing
- **Super Adhesion**
  A heavy coating of specially formulated pressure-sensitive adhesive
- **Resistant to Solvents**
- **Die Cuts** available to fit your application.
- **Colors available**

**COMPARISON OF VARIOUS SURFACES: STATIC COEFFICIENT OF FRICTION**

<table>
<thead>
<tr>
<th>FLEX-TRED® Surfaces</th>
<th>Dry Surface Test Results</th>
<th>Wet Surface Test Results</th>
<th>Other Surfaces</th>
<th>Dry Surface Test Results</th>
<th>Wet Surface Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Black Coarse</td>
<td>1.33</td>
<td>1.21</td>
<td>Scotch Tred</td>
<td>.69</td>
<td>.50</td>
</tr>
<tr>
<td>Sparkle Black</td>
<td>1.24</td>
<td>1.06</td>
<td>Painted Steel</td>
<td>.77</td>
<td>.69</td>
</tr>
<tr>
<td>Blue Medium</td>
<td>1.29</td>
<td>1.09</td>
<td>Textured Vinyl</td>
<td>.80</td>
<td>.64</td>
</tr>
<tr>
<td>Flat Black Fine</td>
<td>1.37</td>
<td>1.17</td>
<td>Ribbed Vinyl</td>
<td>.85</td>
<td>.72</td>
</tr>
<tr>
<td>Ocean Grey</td>
<td>1.30</td>
<td>1.02</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flex-Tred® meets or exceeds specifications for: Mil-D-17951E (ships); Motor Vehicle Safety Standard No. 302; Walkway Matting, Non-slip Mil-W-56044C, Type IV, ADA, ASTM and OSHA.
PAINT

SAFE-STRIDE®
Moderate Traction and Durability for Foot Traffic
• Meet OSHA and ADA standards
• Meet ASTM slip resistance requirements.
• Indoor and Outdoor Applications • Custom Colors Available

Coatings contain aluminum oxide or zirconium grit which give the coatings long-lasting added traction.

LOW VOC ACRYLIC
• Durable traction grit
• Adheres to concrete, wood, primed metal, asphalt, marble, and stone
• Easy application
• Easy clean-up
• Apply with brush or paint roller

OIL BASE
• Durable traction grit
• Use preferred over acrylic for heavier traffic surfaces
• Easy application
• Apply with brush or paint roller

WALK-A-SURED®
• Chemical, solvent and water resistant
• Enhances traction on a variety of surfaces
• 100% solids - NO VOCs!
• 2-part Epoxy system
• Barefoot friendly available

New Features
• Specially formulated quick set system that will provide a clear, yet sure-footed and safe traction surface.
• Available in three formulas to meet the needs of any project.

SAFETY COATINGS

WALK-A-SURED® & EPOXY WP-70®

VOC FREE WALK-A-SURED® High Traction and Durability for Vehicle and Foot Traffic
• Meet OSHA and ADA standards • Meet ASTM slip resistance requirements.
• Indoor and Outdoor Applications • Custom Colors Available

• Coatings contain aluminum oxide or zirconium grit which give the coatings long-lasting added traction.

EPOXY WP-70®
NO FLASH OR VOLATILE SOLVENTS LOW VOC
TROWEL-ON
• 2-part Epoxy system for durable, long-lasting solution
• For industries such as breweries, canneries, off-shore drilling platforms
• Renews damaged ramps and floors in one coat.
• Extra thick consistency requires trowel or squeegee application

EPOXY COATINGS

WP COATINGS

Paint Coatings Moderate Traction and Durability for Foot Traffic

Low Voc Safe-Stride® Acrylic
Black, Gray, Safety Yellow
1 Gallon
50° to 90°
100-125
2-4 hrs.
1/4" Nap Roller
55° to 90°
40°-110°
N/A
.97
.79
Yes

Safe-Stride® Oil Base
Gray
1 Gallon
50° to 90°
100-125
12 hrs.
1/4" Nap Roller
55° to 90°
20°-110°
N/A
.87
.83
Yes

Epoxy Coatings VOC Free Walk-A-Sured® High Traction and Durability for Vehicle and Foot Traffic

Voc Free Walk-A-Sured® Water Clear
Clear
1 Gallon
65° to 80°
150-275
8 hrs.
1/4" Nap Epoxy Roller
55° to 100°
20°-110°
25-35
.80-1.07
.76-1.02
Yes

Voc Free Walk-A-Sured® Roll-On
Black, Gray
1 Gallon Kit
65° to 80°
125-175
18-24 hrs.
1/4" Nap Epoxy Roller
55° to 100°
20°-110°
30-60
.97
.80
Yes

Low Voc Epoxy WP-70®
Black, Gray, Safety Yellow
1 Gallon Kit
65° to 80°
25-35
18-24 hrs.
Squeegee
55° to 100°
<40° to +180°
30-60
.92
.76
Yes

No extra hazardous shipping charges, with the exception of Safe-Stride® oil base. Epoxies and oil base Safe-Stride® cannot ship by air.

800-321-4936 www.wooster-products.com
Serving You Since 1921!

Sports Stadiums

Public Walkway Safety

Custom Cutting

OEM Supplier

Wet or Dry Anti-Slip
Public Access

Marine Anti-Slip Safety

Anti-Slip Safety
Stair and Walkway Products

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Application Consulting:
refer to website for local support
Web Site: http://www.wooster-products.com
E-Mail: Sales@wooster-products.com
See Sweets Catalog, Blue Book and Thomas Register

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