Wooster Products

ANTI-SLIP SAFETY STAIR and WALKWAY PRODUCTS

Why specify Safety Stair and Walkway Products?

- 'Wooster' Safety Treads and Safety Surfaces provide anti-slip protection for building occupants and pedestrians.
- The use of Safety Stair and Walkway Products can help protect the Building Owner, since pedestrians with the latest available technology for making stairs and walkways safe.
- 'Wooster' Safety Treads and Safety Surfaces comply with OSHA and other Safety Surface Specifications for anti-slip safety surfaces.

Why specify 'Wooster'?

- A 'Wooster' specification exemplifies 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!
- Because we provide long-term solutions for your anti-skid needs.

Wooster Products

WAREHOUSE STOCK

- Add extra time for protective tape.
- Many nosings available from stock, extruded or cast. Check with customer service on specific nosings.

INDEX BY TYPE NUMBER

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ANTI-SLIP SAFETY STAIR and WALKWAY PRODUCTS

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- Because we provide long-term solutions for your anti-skid needs.

Wooster Products

WAREHOUSE STOCK

- Add extra time for protective tape.
- Many nosings available from stock, extruded or cast. Check with customer service on specific nosings.
SUPERGRIT®
Safety Treads

Specify Supergrit® For:
• Heavy Pedestrian Traffic Use
• Indoor, Outdoor Installation
• Excellent Safety Protection at Low Cost

New Construction

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 at extra cost

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® 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 use. 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® Colors

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 now 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.

800-321-4936  www.wooster-products.com
**SUPERGRIT®** Profiles for New Concrete Stairs and for Steel Pan

**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

**Type 231BF**
- 3" (76.2 mm) wide, 1/4" (6.35 mm) thick

**Type 241BF**
- 4" (101.6 mm) wide, 1/4" (6.35 mm) thick

**Detail:** Sure-hold anchor in concrete step.

**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

Full stringer length, less 1/8" clearance.

**Type 242**
- 4" (101.6 mm) wide
- 1/4" (6.35 mm) thick
- Nose 1/4" (28.58 mm) underside

**Type 232**
- 3" (76.2 mm) wide
- 1/4" (6.35 mm) thick
- Nose 1/4" (28.58 mm) underside

**Detail:** Sure-hold anchor in steel pan step.

**Sections Not to Scale**

**Type 121 - 6" (152.4 mm) wide:**
- 1 1/4" (6.35 mm) thick, nose 1/4" (6.35 mm) underside, square back
- Two-tone available at additional cost
**SUPERGRIT® 2-STAGE STAIR NOSING FOR STEEL PAN OR Poured CONCRETE STEPS**

**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.
- Future existing buildings projects made easier and less expensive.
- Maximum length 8 feet.
- Steel pan or poured concrete steps.

**FOR Poured CONCRETE OR STEEL PAN STAIRS**

**Type 610**
- 1 1/4" (31.7 mm) wide,
- 1/4" (6.35 mm) thick,
- 1/4" (6.35 mm) nose underside

**Type 630A**
- 1 1/4" (31.7 mm) wide,
- 1/4" (6.35 mm) thick,
- 1/4" (6.35 mm) nose underside

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

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

Type 121 and 231BF shown on page 4 are designed especially for use on platforms in choir and band rooms. Other sections can also be curved. 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, 241BF, 630, 630A, 610

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**SUPERGRIT® Special Purpose Treads**

**2-STAGE STAIR NOSING FOR STEEL PAN OR Poured CONCRETE STEPS**

**Specify SUPERGRIT® Replaceable Stair Nosings For:**
- Matching or contrasting color decor
- Non combustible
- Heavy pedestrian traffic use

Nosing insert installed after construction for fresh clean appearance.

Wood insert used during construction.

Nose can be sheared for additional charge.

FOR POURED CONCRETE OR STEEL PAN STAIRS

**Type 630A**
- 1 1/4" (31.7 mm) wide,
- 1/4" (6.35 mm) thick,
- 1/4" (6.35 mm) nose underside

**Type 133**
- 3" (76.2 mm) wide,
- 1/4" (6.35 mm) thick,
- 1 3/8" (44.45 mm) nose underside

**Has Variable Nose Depth**

**Type 138**
- 3" (76.2 mm) wide,
- 1/4" (6.35 mm) thick,
- 11/8" (28.58 mm) nose underside

**Has Recess for Tile**

**Type 431**
- 3 1/4" wide (88.9 mm),
- 1/4" (6.35 mm) thick,
- 1 1/4" (28.58 mm) nose underside

Specially designed with recessed back to receive 1/8" (3.05 mm) tile.

**FOR USE WITH SLOPED RISERS**

**Type 238**
- 3" (76.2 mm) wide,
- 1/4" (6.35 mm) thick,
- 1 1/8" (28.58 mm) nose underside

Specially designed for steel pan stairs with sloped risers.

**Has Recess for Tile**

**Type 238**
- 3" (76.2 mm) wide,
- 1/4" (6.35 mm) thick,
- 1 1/8" (28.58 mm) nose underside

Specially designed with recessed back to receive 1/8" (3.05 mm) tile.

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

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

28,000 deaths occur per year due to falls*
SAFETY TREADS IN COLORS
Designed to enhance the safety and beauty of every architectural installation.

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 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 use

TYPE WP 2003
4.062” (103.2 mm) wide
1/2” (12.7 mm) thick

TYPE WP-RN2SP
2" (50.8 mm) wide
1/8” (12.7 mm) thick

TYPE WP-RN1SP
3 3/16” (79.375 mm) wide
1/2” (12.7 mm) thick

Fastener provided by others. Use nut and bolt (pictured), or self tapping screw.

Nosing insert installed after construction for fresh clean appearance.

Wood insert used during construction.

Met A.D.A. Requirements
Please call Wooster Products Inc for current availability.

SPECTRA® PROFILES FOR NEW CONCRETE STAIRS
Custom lengths to ± 1/16".

SPECTRA® PROFILES FOR STEEL PAN CONCRETE-FILLED STAIRS
Generally installed full stringer to stringer length, less 1/8" clearance.

SPECTRA® PROFILES FOR SLOPED RISER STEEL PAN STAIRS...
MEETS OSHA BARRIER-FREE DESIGN

SPECTRA® RECESSED INTO STEP SURFACE
Recessed into concrete step

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 actual tread color sample if color is critical.

Specify Spectra® For:
- Best Architectural Aesthetics
- Matching or Contrasting Color Decor
- Indoor or Outdoor Use
- Heavy Pedestrian Traffic Use
- Non-combustible
Wooster Products’ NITEGLOW® photoluminescent area is slip resistant, even though not required!

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.

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
- Slip-resistant over entire photoluminescent area
- Recharged by any light source, natural or artificial
- NITEGLOW® stair nosings have a brightness rating that meets NYC or IBC and IFC standards.

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

US Buildings Codes that Require Photoluminescent Exit Path
- 2009 International Building Code, 403.16 & 1024 and 2009 International Fire Code 1024, for all buildings Groups A, B, E, I, M, and R-1 for new construction over 75 feet in height must install Photoluminescent Exit Path Markings in all enclosed emergency exit stairwells.
- NFPA 101 and 5000 Section 7.2.2.5.5. Exit Stair Path Markings All Buildings — Effective January 2009
- General Services Administration requires Photoluminescent Exit Path Markings in all new and existing buildings Effective January 2009

NITEGLOW® Epoxy Coating NG-100
NYC MEA approved or NG-200 IBC and IFC compliant.
The two-part single coat epoxy glow-in-the-dark system is a thick coating that is applied with a putty knife. The kit comes with fast drying (30-60 minutes) ultra white reflective acrylic primer used to enhance the glow. Comes in quart can kits which include: fast drying white primer, glow epoxy and hardener, putty knife, and mixing arm. NITEGLOW® epoxy coatings NG-100 and NG-200 can be applied to almost any surface.
NITEGLOW® Anti-Slip Glow-in-the-Dark Safety Products

- TREADS AND NOSINGS ARE NYC MEA APPROVED
- NOSING AND TREADS AVAILABLE TO MEET 2009 INTERNATIONAL BUILDING CODE
- PRODUCTS COMPLY WITH 2009 INTERNATIONAL FIRE CODE, NFPA 101 AND 5000 AND GSA

NEW CONSTRUCTION
Meets OSHA and ASTM Requirements

NITEGLOW® with the lights out.

On-Site M231BF-NG Installations
NYC World Trade Centers 1 through 4
911 Memorial

NITEGLOW® glow-in-the-dark stair nosings provide stair markings when the lights go out and help prevent slips and falls.

NITEGLOW® TWO STAGE STAIR NOSING WITH REPLACABLE WOOD INSERT FOR PROTECTION DURING CONSTRUCTION

- Fast easy replacement if damaged
- Visual appearance and durability
- Secure anchorage

WP-RN2-NG

WP-RN3SG-NG

WP-RN3SP-NG

Nosing insert installed after construction for fresh clean appearance.

Wood insert used during construction.

All 2-Stage nosings are available in standard colors.

EXISTING BUILDINGS CONSTRUCTION

Modernize and restore all types of stairs while providing excellent anti-slip protection and superior safety in emergencies and the darkness of night.

STAIRMASTER® 500-NG

500-NG — 9" wide, NITEGLOW® is 1½" wide

333-NG

333-NG — 3" wide, NITEGLOW® is 1" wide

9.6 million emergency hospital visits are made per year due to falls*

* National Safety Council information
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.

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.
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).

### Poured Concrete

**TYPE 101** – Nose ¾" (6.35 mm) lip. Chief use: as nosings in concrete stairs. Tread installed flush all around.

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

### Steel Pan

Generally installed full stringer to stringer length, less ¼" (3.05 mm) clearance.

**TYPE 101SP** – Nose ¼" (9.53 mm). Chief use: as nosings on steel-pan concrete-filled stairs or superimposed on existing steps.

**TYPE 102** – Nose ½" x 3/8" (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 ½" (19.05 mm x 19.05 mm). Chief use: as structural treads with bent-plate risers or as nosings full width of stair.

### Miscellaneous Uses

**TYPE 100**

Square edges. Chief use: floor plates, trench covers, stair landing platforms, expansion joint covers.

**TYPE 110**

Rounded edges. Chief use: 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

### Concrete Curbs

**CAST:**

- **Standard**
- **Integral anchors**

**TYPE 150**

1 ½" x 1 ½" x ¾" (38.1 mm x 38.1 mm x 9.53 mm)

Maximum length 6’0" (1.83 m)

**TYPE 250**

2 ½" x 2 ½" x 1 ½" (63.5 mm x 63.5 mm x 12.7 mm)

Maximum length 6’0" (1.83 m) (Steel Anchor ONLY)

Consult factory when holes for fastening are required.

- Ferrogrit® is not recommended for corrosive environments.
- Castings are subject to usual foundry draft, tolerances and thickness ± 1/16".
- Nosings may show a parting line on the nose surface.
- Standard measurements are from top of nosing.
- Custom lengths to ± 1/16".
- Standard hole size ½" 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.
Non-structural stair nosings and treads for
Poured concrete and steel pan concrete-filled stairs

FERROGRIT®
5/16" thick - treads max. 6" wide - max. length 8’6”
3/8" thick - treads width to 6" - max. length 8’6”
3/8" thick - over 6" to 12’ wide - max. length 6’

ALUMOGRIT®
5/16" and 3/8" thick - thread width to 6" - max. length 8’6”
3/8" thick - over 6" to 12’ wide - 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’

NOTE:
- Platforms manufactured in sections.
- Consult Factory for further information.
- Fasteners are “by others”.
- Support structural steel and fasteners “by others”.
- Maximum structural tread length 5’0”; Consult Factory.
- Lead times to be determined per application.
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.

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

FLUTED SURFACED THRESHOLD

“Wooster” abrasive cast thresholds are cast to order from a large selection of architectural designs as shown. They are of highest quality and heavy duty construction in these metals: ALUMOGRIT®: abrasive cast aluminum FERROGRIT®: abrasive cast iron

FASTENERS: Thresholds are drilled and countersunk for 1/4" (6.35 mm) screws unless other fasteners are specified.

NOTCHING: Threshold ends can be factory notched for fast jobsite installation if frame details are furnished.

SPECIFICATIONS: See page 10 for casting specifications.

LENGTHS: Lengths to order up to 8' 6" (2.59 m) maximum in one piece.

SPECIAL PROFILES: Special shapes up to 18" (457.2 mm) are available if details are provided.

* Meets A.D.A. Requirements
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 CASE AND EXTRUDED NOSINGS
Steel wing anchors, bolts, and nuts are furnished for field attachment into factory-drilled and csk. 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 is furnished standard on cast types 150 and 250. Anchor spacing on approx. 10” (254 mm) centers. Can be furnished on types 101, 101-SP, 116, 102, 103, 104, 105A, 100 but MUST BE SPECIFIED.

EXISTING CONSTRUCTION

WOOD OR MACHINE SCREWS
SILVER TAPCON SCREWS
SCREW & SHIELDS
Treads being superimposed on existing stairs can be furnished pre-drilled and csk. 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.

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-3, WP-RN3SG, WP-RN3SP, WP-RN3SG-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.

ALSO AVAILABLE: PROTECTIVE TAPE
Nosings for NEW construction can be furnished with a protective tape cover. This tape should be removed after the stairs are installed. Keeps treads free of dirt during construction. Tape coverings entail a small additional charge per lineal foot. Tape should not be left on treads longer than 45 days. MUST BE SPECIFIED; Consult Factory.

INSTALLATION DETAILS

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

Type 500 Stairmaster® superimposed 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 WP3C with integral Sure-Hold anchor in new concrete stair.

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

Type 101 with wing type anchors in poured concrete stair.

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

Type 142 Supergrit® attached to wood tread and backed with tile, carpet, or other material.

TYPICAL INSTALLATION DETAILS FOR WOOSTER SAFETY TREADS

800-321-4936  www.wooster-products.com
STAIRMASTER® Safety Existing Buildings Treads

SPECIFY “STAIRMASTER®” FOR EXISTING BUILDINGS OF WORN AND SLIPPERY STAIRS

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

- All types are 9/32” (7.14 mm) thick unless indicated.
- Two-tone treads with contrasting color available. Call for details.
- Stairmaster® Existing Buildings 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 - consult factory.

Special twin visibility surfaces make the front edge more visible.

TYPE 500

Two-tone available at additional cost

TYPE 511

11” (279.4 mm) wide

Two-tone available at additional cost

TYPE 511 SN

11” (279.4 mm) wide

Two-tone available at additional cost

TYPE 500 SN

9” (228.6 mm) wide

Two-tone available at additional cost

TYPE 500

9” (228.6 mm) or 11” (279.4 mm)

Two-tone available at additional cost

TYPE 162

11/8” (28.58 mm)

Two-tone available at additional cost

TYPE 182

11/8” (28.58 mm)

Two-tone available at additional cost

TYPE 6100

7” (177.8 mm)

Two-tone available at additional cost

TYPE 6100

3” (76.2 mm)

Two-tone available at additional cost

TYPE 660

10” (254 mm)

Two-tone available at additional cost

TYPE 630

6” (152.4 mm)

Two-tone available at additional cost

TYPE 6100

5-Year Warranty on material and workmanship.

MEETS A.D.A. REQUIREMENTS

STAIRMASTER® ON WOOD STAIR, CUT SHORTER THAN THE LENGTH OF THE STAIR WITH BEVELED ENDS.

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 on type 511SN and 511 is 8’0” and maximum on type 6100 is 10’0”. Drilled and countersunk holes are standard unless otherwise specified. Stairmaster® treads furnished with beveled ends standard.

Specify Stairmaster® For:
- Heavy Pedestrian Traffic Use
- Indoor, Outdoor Installation
- Excellent Safety Protection at Low Cost
- Existing Buildings
- Non-combustible

800-321-4936     www.wooster-products.com
**“STAIRMASTER®” Coverage of Landings**

Full or partial coverage can be provided on landings.

To provide coverage greater than standard 11" depth, treads shown at below are available with square or beveled sides in various widths to cover most desired area. The length of landing treads should generally be the same as treads on steps, maintaining a 2" margin at each side. This material can also be furnished for locations behind cafeteria counters, door sills, ramps, floor divisions, front of machines, etc.

| EXAMPLES OF TREAD TYPES USED TO COVER A LANDING | Type 182 or 162 | Type 660 or 6100 | Type 540 or 570 |

**TYPES OF LANDINGS**

**STAIRMASTER® COLORS**

Standard color is black. Black will be shipped unless another color is specified. See color chart below for other colors available.

![Color Chart]

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

**LEVELING COMPOUND**

Leveling Compound is furnished in 50-lb drums and consists of specially formulated components to which you 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 types of stair treads; wood, concrete, steel, marble, etc. No primer required. Directions for mixing are shown on the bucket.

**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® and FLEX-TRED®**

are available with **NITEGLOW®** Glow-In-The-Dark anti-slip surface.

Not MEA or IBC Approved

**EXISTING BUILDINGS**

FLEXMASTER® and FLEX-TRED® are available with NITEGLOW® Glow-In-The-Dark anti-slip surface.

![Diagram]

**3-Year Warranty on material and workmanship.**
**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.

**Blacks Textures:** Sparkle Black, Flat Black Fine, Flat Black Medium, Ultragrip Black, Superfine Black, Flat Black Coarse.

**Also Available:** Fluorescent: NITEGLOW®

Floor Prep – Consult Factory

**General Note:** Standard tolerance ± 1/16”

**STANDARD DIE-CUT SIZES**

All standard sizes are packed 50 pieces each carton.

**STRIPS AND CLEATS STANDARD CUT SIZES:**

6" x 24"

3” x 24”

3” x 36”

2” x 24”

1” x 24”

3/8” x 24”

6” x 24”

5 1/2” x 5 1/2”

5 1/2” Dia.

**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.

Use edge sealer for wet environments.

**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, and fluorescent colors are available upon request*.

**STANDARD ROLL SIZES**

<table>
<thead>
<tr>
<th>Roll Size</th>
<th>Packed per Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>¾” x 60 ft.</td>
<td>16 rolls</td>
</tr>
<tr>
<td>1” x 60 ft.</td>
<td>12 rolls</td>
</tr>
<tr>
<td>2” x 60 ft.</td>
<td>6 rolls</td>
</tr>
<tr>
<td>3” x 60 ft.</td>
<td>4 rolls</td>
</tr>
<tr>
<td>4” x 60 ft.</td>
<td>3 rolls</td>
</tr>
<tr>
<td>6” x 60 ft.</td>
<td>2 rolls</td>
</tr>
<tr>
<td>8” x 60 ft.</td>
<td>3 rolls</td>
</tr>
<tr>
<td>12” x 60 ft.</td>
<td>1 roll</td>
</tr>
<tr>
<td>18” x 60 ft.</td>
<td>1 roll</td>
</tr>
<tr>
<td>24” x 60 ft.</td>
<td>1 roll</td>
</tr>
</tbody>
</table>

*Actual color may vary slightly from printed sheet. Request actual color sample if color is critical. Black is standard and will be furnished unless a color is specified.

Workers Comp average claim from falls cost $41,500*
GENERAL PROPERTIES

- **Flexure** - 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**

EXISTING BUILDINGS

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.

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

**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>Ribbed Rubber</td>
<td>.89</td>
<td>.76</td>
</tr>
<tr>
<td>Sparkle Black</td>
<td>1.24</td>
<td>1.06</td>
<td>Scotch Tred</td>
<td>.69</td>
<td>.50</td>
</tr>
<tr>
<td>Blue Medium</td>
<td>1.29</td>
<td>1.09</td>
<td>Painted Steel</td>
<td>.77</td>
<td>.69</td>
</tr>
<tr>
<td>Flat Black Fine</td>
<td>1.37</td>
<td>1.17</td>
<td>Textured Vinyl</td>
<td>.80</td>
<td>.64</td>
</tr>
<tr>
<td>Ocean Grey</td>
<td>1.30</td>
<td>1.02</td>
<td>Ribbed Vinyl</td>
<td>.85</td>
<td>.72</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-5044C, Type K; ADA, ASTM and OSHA.

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

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

**BLACK**

**GRAY**

**SAFETY YELLOW**

**EPOXY 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.

**WALK-A-SURED® CLEAR**
- Chemical, solvent and water resistant
- Enhances traction on a variety surfaces
- 100% solids - NO VOCs!
- 2-part Epoxy system
- Indoor Use Only

**WALK-A-SURED® ROLL-ON**
- Chemical, solvent and water resistant
- Enhances traction on a variety surfaces
- 100% solids - NO VOCs!
- 2-part Epoxy system

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

**SAFE-STRIDE®**
Chemical, solvent and water resistant
Enhances traction on a variety surfaces
100% solids - NO VOCs!
2-part Epoxy system
Indoor Use Only

**PAINT COATINGS MODERATE TRACTION AND DURABILITY FOR FOOT TRAFFIC**

<table>
<thead>
<tr>
<th>Colors Available</th>
<th>Container Size</th>
<th>Storage Temperature 65˚ to 80˚</th>
<th>Approximate Coverage 125-175</th>
<th>Core Time at 70˚ F</th>
<th>Method of Application</th>
<th>Application Temp.</th>
<th>Working Temp.</th>
<th>Pot Life Minutes</th>
<th>Approximate Coefficient of Friction Dry</th>
<th>Approximate Coefficient of Friction Wet</th>
<th>Meets OSHA ADA &amp; USDA Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LOW VOC SAFE-STRIDE® Acrylic</strong></td>
<td>Black, Gray, Safety Yellow</td>
<td>1 Gallon</td>
<td>65˚ to 60˚</td>
<td>125-175</td>
<td>18-24 hrs.</td>
<td>1/4&quot; Nap Roller</td>
<td>50˚ to 90˚</td>
<td>130˚</td>
<td>N/A</td>
<td>.97</td>
<td>.79</td>
</tr>
<tr>
<td><strong>SAFE-STRIDE® Oil-Base</strong></td>
<td>Gray</td>
<td>1 Gallon</td>
<td>65˚ to 80˚</td>
<td>100-125</td>
<td>2-4 hrs.</td>
<td>1/4&quot; Nap Roller</td>
<td>50˚ to 90˚</td>
<td>N/A</td>
<td>.97</td>
<td>.83</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>LOW VOC EPOXY WP-70®</strong></td>
<td>Black, Gray, Safety Yellow</td>
<td>1 Gallon</td>
<td>65˚ to 60˚</td>
<td>25-35</td>
<td>18-24 hrs.</td>
<td>Squeegee</td>
<td>40˚ to 100˚</td>
<td>-40˚ to +180˚</td>
<td>30-60</td>
<td>.92</td>
<td>.76</td>
</tr>
<tr>
<td><strong>SAFE-STRIDE® Acrylic</strong></td>
<td>Black, Gray, Safety Yellow</td>
<td>1 Gallon Kit</td>
<td>65˚ to 80˚</td>
<td>125-175</td>
<td>18-24 hrs.</td>
<td>1/4&quot; Nap Roller</td>
<td>50˚ to 90˚</td>
<td>130˚</td>
<td>N/A</td>
<td>.97</td>
<td>.80</td>
</tr>
<tr>
<td><strong>SAFE-STRIDE® Oil-Base</strong></td>
<td>Gray</td>
<td>1 Gallon</td>
<td>65˚ to 80˚</td>
<td>125-175</td>
<td>12 hrs.</td>
<td>1/4&quot; Nap Roller</td>
<td>50˚ to 90˚</td>
<td>N/A</td>
<td>.97</td>
<td>.83</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>LOW VOC EPOXY WP-70®</strong></td>
<td>Black, Gray, Safety Yellow</td>
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<td>-40˚ to +180˚</td>
<td>30-60</td>
<td>.92</td>
<td>.76</td>
</tr>
</tbody>
</table>

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