Gratings and Expanded Metals

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- bar grating
- expanded metal grating
- expanded metal sheets
- diamond grip
- fiberglass grating
- riveted grating
- safety grip

All products meet American Recovery and Reinvestment Act requirements (HR 1 EH, Sec. 1110)
Alabama Metal Industries Corporation (AMICO®) began in 1939 as a manufacturer of metal lath. AMICO® has grown to become North America’s leader in the manufacture and distribution of a complete line of industrial gratings and expanded metals. AMICO®’s product range also includes metal lath, plaster and drywall beads, concrete forming products and a variety of security barrier product systems. AMICO® has manufacturing and distribution facilities throughout North America, with corporate offices in Birmingham, AL.

**HEAVY DUTY STEEL GRATING**

Heavy-Duty Welded Grating has the strength for heavy-duty load areas such as *airfields, highways, industrial plants, truck and bus terminals, parking lots and railroad yards*. Common uses are flooring, driveways, subway and tunnel ventilation grilles, curb inlet grates, ramps, docks, etc. Serations are available on bars up to 3/8” thick to provide additional traction for rolling loads. Standard heavy-duty bar grating is resistance-welded for durability, strength and safety using an automated electric/hydraulic welding process.

**RIVETED GRATING**

Riveted Bar Grating is the first choice by many engineers for many applications. Compared to welded or swaged-locked grating, riveted has a greater load carrying capacity for the same span and depth of grating. Reticulated bars, riveted to the bearing bars increase resistance to buckling caused by vehicular loading conditions.
Safety-Tread® flooring is available in two drainage patterns which incorporate embossed holes (staggered) between raised dimples.

Diamond-Grip® is a one-piece metal plank grating manufactured by a cold forming process in the shape of a channel. The web of the channel is the walking surface and has rough serrated edges around diamond shaped openings. Diamond openings are complete with radiused corners at the saddle and side channel locations.

DIAMOND GRIP®

DIAMOND GRIP® WALKWAY

MATERIAL SPECIFICATIONS
Grating shall be “Diamond-Grip” walkway, manufactured from (see ‘Selections’ below) and complete with an (4-1/2”, 5”) integral toe-board, by AMICO-ISG®

Selections
• ASTM-A-1011, HRP&O 14 and 12 gauge steel.
• 5052-H32 Aluminum, .080” and .100” thick.

SAFETY-GRIP®

SAFETY-GRIP® WALKWAY

MATERIAL SPECIFICATIONS
Grating shall be “Safety-Grrip” walkway, manufactured from (see ‘Selections’ below) and complete with an integral 5” toe-board, by AMICO-ISG®

Selections
• ASTM-A-1011, HRP&O 14 and 12 gauge steel.
• 5052-H32 Aluminum, .080” and .100” thick.

SAFETY-TREAD® CHANNEL

SAFETY-TREAD® FLOORING

MATERIAL SPECIFICATIONS
Grating shall be Safety-Tread flooring, (full, square, star, “V”) pattern by AMICO-ISG® manufactured from (select one).

• ASTM-A-1011, HRP&O 16, 13, or 11 gauge steel.
• ASTM-A-653, G-90 (Z-275) Pre-galvanized 13 or 11 gauge steel.
• 5052H32 Aluminum, .125” thick.
• Type 316L Stainless Steel 14 gauge. (“V” pattern only).
• Type 304 Stainless Steel 16 gauge (“V” pattern only).

Stair treads are fabricated from AMICO-ISG® standard Safety-Grip®, Diamond-Grip® and Safety-Tread channel planks (see product specification sheets for technical details). All treads are complete with end plates welded to each end for easy connection to stringers or are available with open ends. Treads are available from stock in sizes indicated below or can be custom fabricated from any channel product and in any material including G90 galvanized, HRP&O, aluminum and stainless steel.

SAFETY-TREAD® LADDER RUNGS

DIAMOND GRIP® STAIR TREADS

DIAMOND GRIP®

DIAMOND GRIP® STAIR TREADS

MATERIAL SPECIFICATIONS
Grating shall be “Diamond-Grip” stair treads, manufactured from (see ‘Selections’ below) and complete with a (4-1/2”, 5”) cross bar, by AMICO-ISG®

Selections
• ASTM-A-1011, HRP&O 14 and 12 gauge steel.
• 5052-H32 Aluminum, .080” and .100” thick.

SAFETY-TREAD® LADDER RUNGS

Safety-Tread® ladder rungs are small channel shaped sections; the web of the channel being the walking surface which is covered with small perforated dimples, produced by a cold forming process.

1-800-366-2642
GATORGRATE™
GatorGrate™ molded fiberglass grating is a one-piece, reinforced polyester or vinylester (FRP) grating, available in standard panels and sizes.

STANDARD RESIN SYSTEMS
Standard GatorGrate™ resin systems are made from premium grade polyester resins. The four standard resin systems are:
- IFR - Premium grade polyester resin system.
- VFR - Vinylester resin system.
- ICG - Premium grade polyester resin with no additives.
- IUS - Premium grade polyester resin system, for USDA standards.

KORDEK™
Kordek® compression-molded Fiberglass Reinforced Plastic (FRP) gratings offer the best available combination of strength, durability and ease of installation.

KORDEK® SQUARE-MESH GRATING
Kordek® compression-molded 1 1/2" x 1 1/2" square mesh

Panel Sizes
- KS-1510 1" thick x 48" wide x 96" long
- KS-1515 1 1/2" thick x 48" wide x 96" long

KORDEK® RECTANGULAR-MESH GRATING
Kordek® compression-molded 1" x 6" rectangular mesh grating

Panel Sizes
- KR-10 1" thick x 36 1/2" wide x 108" long
- KR-12 1 1/4" thick x 36 3/8" wide x 108" long
- KR-15 1 1/2" thick x 36 3/8" wide x 108" long
- KR-17 1 3/4" thick x 36 3/8" wide x 108" long

KORDEK-II™
Open Area - 60%
Panel Weight - 129 lbs.
Bar Thickness - 3/8" at top, 3/16" bottom
Top Surface - Coarse grit, anti-slip
Resin/Color Options:
- PFR/dark Grey - Polyester Fire Retardant Resin System
- IFR/Green & Yellow - Isophthalic Polyester Fire Retardant Resin System
- VFR/Orange - Vinylester Fire retardant Resin System
- NFR/Light Grey - Polyester Non-Fire retardant Resin System
Plus custom colors available on request

CLIP ACCESSORIES
316 stainless steel alloy for I-50, I-60, and T-50 series gratings
316 stainless steel alloy for I-40, and T-30 series gratings

GATORDECK®
Low Installation Costs
Weighing considerably less than conventional metal gratings, fiberglass grating is easier and less expensive to transport, install and remove. Only simple hand tools are required for installation and removal, eliminating the need for costly equipment and labor costs associated with heavy lifting, cutting, and welding.

Slip-resistant Surface
A coarse epoxy grit is bonded to the walking surface.

Two-part Mechanical Locking Cross-Rod
A continuous pultruded grooved rod interlocked with spacer bar provide a mechanical lock at each bearing bar.

Self-draining
Strategically angled lower I-bars allow for easy fluid runoff which aids self cleaning.

Superior Strength
The high glass-to-resin ratio of fiberglass grating provides superior strength and load-bearing characteristics.

Non-conductivity
AMICO-Seasafe’s glass and resin formulations are non-sparking and create a safety barrier for personnel in electrical applications.

GATORGRATE® STAIR TREADS
GaterGrate™ Stair Treads are versatile, reliable and stronger than competitors’ stair treads.

CUT YOUR OWN STAIR TREADS FROM GATORGRATE™ STAIR TREAD PANELS
Ease of cutting - the panel design incorporates cutting “slots” every six inches so treads can be cut inexpensively, quickly and accurately, resulting in banded treads on both ends.

Economy - the 25 5/8" x 144" panel size offers numerous combinations to maximize the number of treads (less wastage = less cost.)