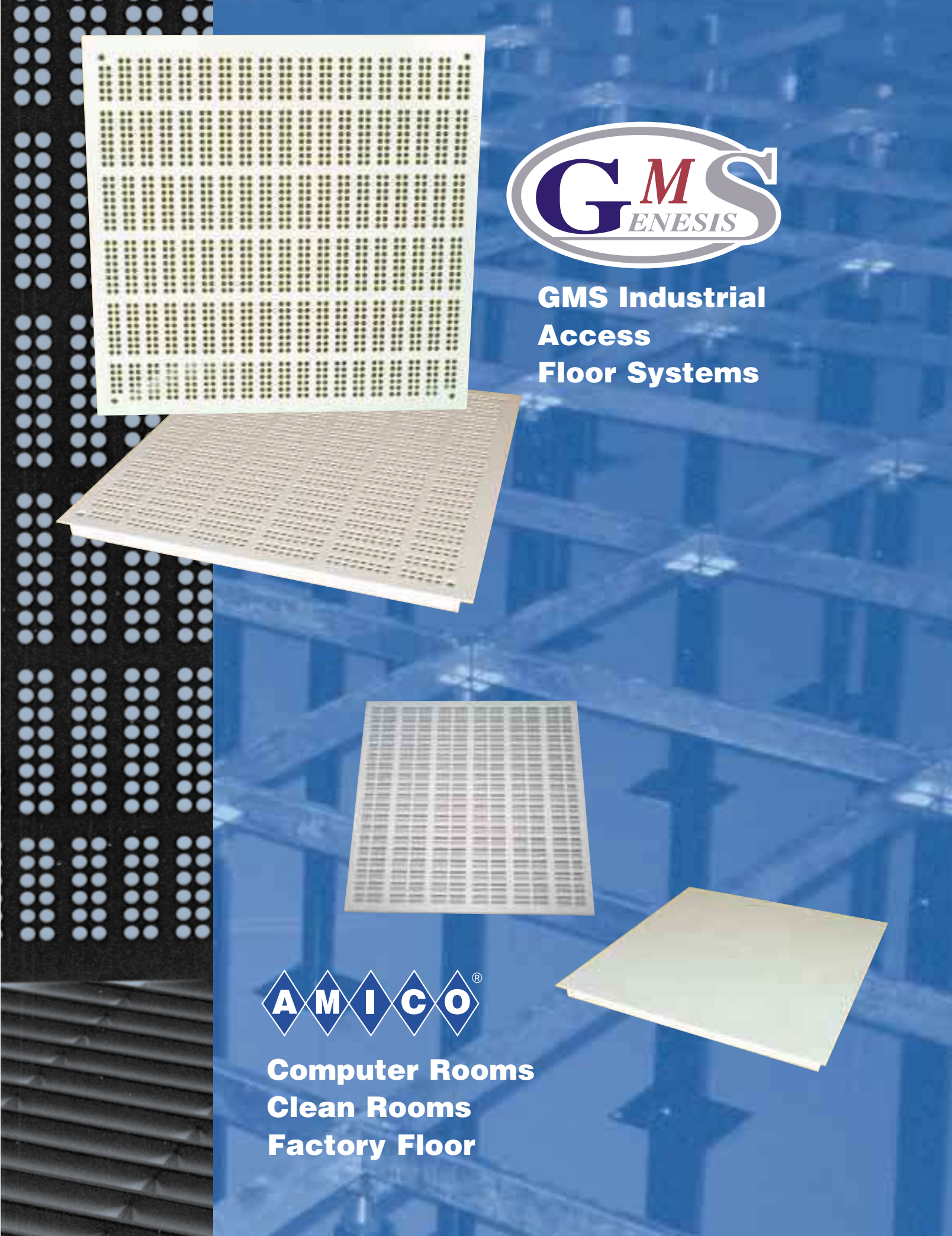
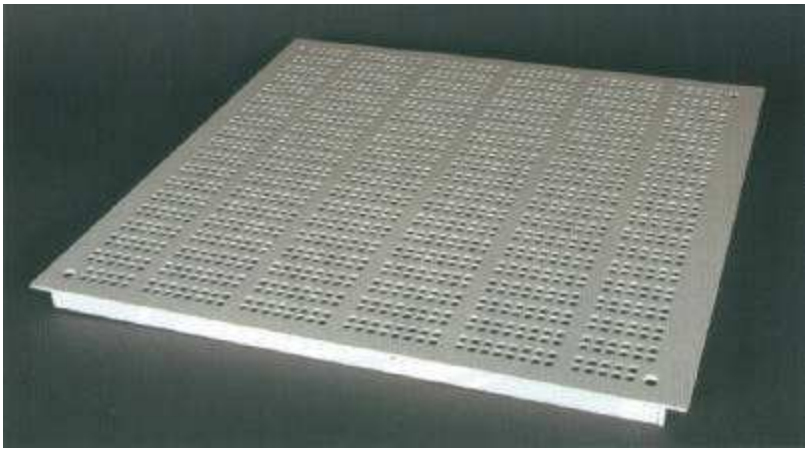

GMS
GENESIS
GMS Industrial
Access
Floor Systems
AMICO®
Computer Rooms
Clean Rooms
Factory Floor



Bar Grate Structure Maximizes Strength and Air Flow

Strength of integrated welding with bar grating load reliability.

Static load rating remains consistent between Airflow panels and Solid panels.

With the ever increasing expansion of higher yield and space utilization demands, raised floors now have to be adaptable to a much broader variation of process equipment. Amico-Genesis is a responsive, reliable partner in this exciting technological expansion of those needs now and in the future.

Specifications:

Heavy Duty Access Floor Systems
Steel Panel/Perforated Steel Panel

- Rolling load rating of 3000 lbs. (1000 passes)
- Ultimate load of 10,000 lbs.
- Concentrated load rating of 3000 lbs. with permanent set .010 or less.
- Panel thickness not to exceed 1.375□plus laminate.
- Chemical resistant: Epoxy powder coat, conductive seal.
- Edge detail: Monolithic
- Nested Bolted-Stringer System
- Stringer Capable of supporting 2500# at mid-point with .010 permanent Set.
- No contaminate fill.
- Airflow - 40% open area.
- C.I.S.C.A., F.A.T. and ASTM Paint Adhesion Tested.

Note: Additional load testing continues on this product. Please contact AMICO-Genesis for updated information.

Features:

- The GMS 3000 Access Floor System is specifically designed for maximum static and dynamic loads.
- The GMS 3000 is engineered for strength, performance, high air flow and equipment mobility.
- Integrally welded steel construction allows perforated panel to perform equally to solid panel. (static load)
- Unrestricted air flow by elimination of bottom pan.
- Solid Steel Panel that provides strength and durability.

Panel	Static Pressure	CFM
Perforated	.10	818
Slotted	.10	1497

Benefits:

- Restriction free, Heavy Duty work space for semi conductor industry.
- Chemically resistant.
- The GMS 3000 provides high load resistance and efficient load dispersal.
- Integrally welded panel creates a one piece, solid steel panel with full integrity.
- Solid, Quiet Strength Design eliminates hollow steel echo.
- Clean strength with no particulate contribution cement fill.

Solid and Perforated Panels Have the Same Load Rating

Panel Type	Rolling Load*	Concentrated Load*	Ultimate Load*	Uniform Load*
Solid	3000lb./1350kg	3000lb./1350kg	10,000lb./4500kg	20,000lb./9000kg
Perforated, 40%	3000lb./1350kg	3000lb./1350kg	10,000lb./4500kg	20,000lb./9000kg
Slotted, 55%	3000lb./1350kg	3000lb./1350kg	10,000lb./4500kg	20,000lb./9000kg
Deflection	N/A	0.119	N/A	N/A
Set	0.057	0.004	N/A	N/A

* C.I.S.C.A., F.A.T. Tested

Floor Finishes

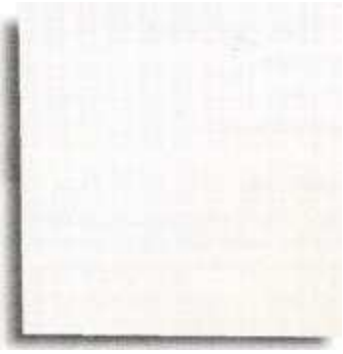
Encapsulated Plating Process

Developed by GMS, the Encapsulated Plating Process (E.P.P.□) encompasses panel cleaning, etching and specially formulated hybrid-baked coating.

The encapsulated plating process (EPP) is a textured wearing s urface applied to the access floor panel. The EPP is provided with a choice of being conductive or non-conductive to meet the various requirements of the clean room, fab assembly or test assembly facility.

- EPP surface provides strength, durability, and chemical resiliency.
- EPP surface eliminates edge trim breakage, surface delaminating, staining and chipping associated with laminate products.
- EPP provides ease of maintenance and field repair for longer product life cycle.
- EPP surfaces are available in custom colors.
- EPP surface offers superior wear and scratch resistance when compared to other surfaces.
- EPP surfaces encapsulates all particulates resulting in a cleaner environment
- EPP eliminates off-gassing.

Panels

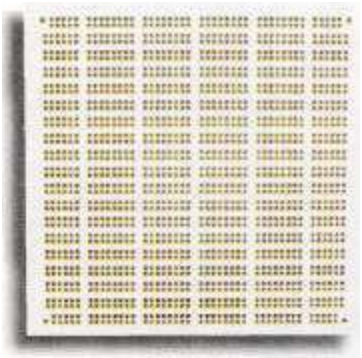


Encapsulated Steel Panel

The solid steel panel, integrally welded to provide unmatched strength in a one piece panel with full integrity.

Descriptive	Imperial	Metric
Loads*	Rating	Rating
Rolling	3000 lb.	1350 kg
Concentrated	3000 lb.	1350 kg
Ultimate	10,000 lb.	4500 kg
Uniform	20,000 lb.	9000 kg

* C.I.S.C.A., F.A.T. Tested



Encapsulated Steel Perforated Panel

The solid steel perforated panel, integrally welded into a one piece steel panel providing identical load ratings as the solid panel with 40% open area for air flow.

Descriptive	Imperial	Metric
Loads*	Rating	Rating
Rolling	3000 lb.	1350 kg
Concentrated	3000 lb.	1350 kg
Ultimate	10,000 lb.	4500 kg
Uniform	20,000 lb.	9000 kg

** Airflow: 40% open area, 818 cfm @ .10 static pressure

* C.I.S.C.A., F.A.T. Tested

Encapsulated Steel Slotted Panel

The solid steel slotted panel, integrally welded into a solid steel panel with the identical strength rating of the perforated and solid panel. The slotted panel provides 55% open area for maximum air flow.

Descriptive	Imperial	Metric
Loads*	Rating	Rating
Rolling	3000 lb.	1350 kg
Concentrated	3000 lb.	1350 kg
Ultimate	10,000 lb.	4500 kg
Uniform	20,000 lb.	9000 kg

** Airflow: 55% open area, 1497 cfm @ .10 static pressure

* C.I.S.C.A., F.A.T. Tested

Nested Stringer System

Pedestals

Pedestal assemblies when secured to the subfloor with adhesive, shall be capable of withstanding the following loads without anchors, panels or other supports in place.

- Overturning moment of 1,000 inch-pounds/450 kg.
- Axial load of 10,000 lbs./4500 kg.

Stringer System

Stringers capable, without panels in place, capable of supporting a concentrated load of 2,500 lbs./450 kg. at mid-span on a one square inch indentor with a permanent set not to exceed .010".

Specifications

Acceptable Manufacturers:

- AMICO-Genesis (800-215-9287)

GMS 3000 Access Floor System

General Description

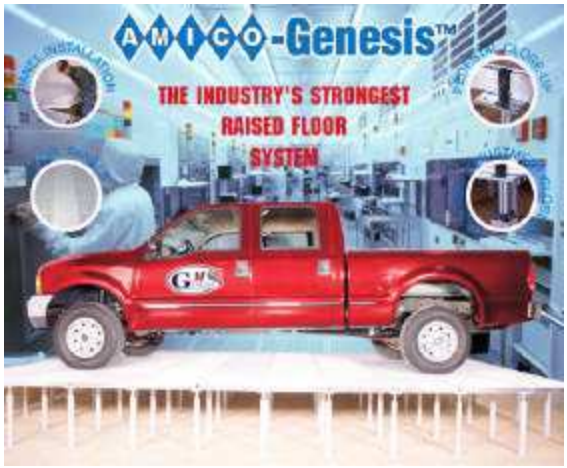
Provide manufacturer's standard heavy duty access floor system with modular field panels of size and construction indicated, that are interchangeable with other standard field panels, easily placed and removed without disturbing adjacent panels or understructure by one person using a portable lifting device, free of exposed metal edges in installed position with floor covering in place.

- Nominal Panel Size: 24 inches by 24 inches. Metric sizes available.
- Fabrication Tolerances: Fabricate panels to the following tolerances with squareness tolerances expressed as the difference between diagonal measurements from corner to corner.
- Size and Squareness: ±0.015 inch of required size, with a squareness tolerance of ±0.015 inch, unless tolerances are otherwise indicated for a specific panel type.
- Flatness: ±0.020 on four sides and 0.040 inch measured on a diagonal on top.

Performance Requirements

Provide manufacturer's standard heavy duty access floor panel capable of supporting a 3,000 lb. single caster rolling load. (Test per C.I.S.C.A. recommended procedures 1,000 passes with a 6 x 1.5 wheel) Panel to have an ultimate load rating of 10,000 lb. and a concentrated load rating of 3,000 lb. with permanent set .010 or less.

- Wearing surface degradation to be not more than 50 mg. loss after 1,000 cycles with tabor wheel per ASTM-D 460. Surface hardness to be 2H per ASTM-D 3363. No laminate surface acceptable. Designed for clean room footwear.



Understructure

Provide manufacturer's standard heavy duty floor system understructure to meet the following minimum requirements.

Pedestals: Provide manufacturer's standard heavy duty pedestal assembly including base, column with provisions for height adjustment, and head (cap).

Base: Square base with not less than 36 inches of bearing area with pedestal tube designed for 10,000
lb. axial loading and specified rolling loads.

- Provide vibration-proof mechanism for making and holding fine adjustments in height for leveling purposes over a range of not less than 2 inches. Include means of locking leveling mechanism at a selected height, which requires deliberate action to change height setting and prevents vibratory displacement.
- Fabricate units of sufficient height provide required underfloor clearance.
- Head: Of type designed to support understructure system indicated and capable of mechanically engaging stringer and corner lock screws simultaneously.
- Nested Stringer System: Manufacturer's standard heavy duty stringer system, designed and fabricated to interlock with pedestal head and to form a grid pattern with members fully engaging each edge of each floor panel and with a pedestal under each corner of each floor panel.
- Bolted Stringers: System of main and cross stringers in a 4' basketweave configuration connected to pedestals with threaded fasteners accessible from above.

System Options

The following options are available for most AMICO-Genesis Floor Systems

- Metric Components
- Corner lock feature
- Seismic bracing
- E.P.P.□ finish and various finish options
- Slide dampers
- Vision panels
- Flush mount service boxes

Accessories

Color and Finishes: For exposed accessories available in more than one standard color or finish, provide color or finish complying with the following requirements:

- Provide selections made by Architect from manufacturer's full range of standard colors and finishes for products and materials indicated.

Cutouts: Fabricate cutouts in floor panels to accommodate cable penetrations and service outlets. Provide reinforcement or additional support, if needed, to make panels with cutouts comply with standard performance requirements.

- Fit cutouts with manufacturer's standard grommets.
- Furnish removable covers for grommets.

Service Outlets: Manufacturer's standard UL-Listed and Labeled assemblies, for recessed mounting flushwith top of floor panels, designed and fabricated to accommodate power, communication, and signal
cables, and complying with following requirements:

- Structural Performance: Cover capable of supporting a 300 lb. concentrated load.

Vertical Closures (Fascia): Where underfloor cavity is not enclosed by abutting walls, columns, beams, or downturned slabs, provide manufacturer's standard metal closure plates with factory-applied finish.

Panel Lifting Devices: Manufacturer's appropriate portable lifting devices of type and number required for lifting panels with floor covering provided.

- Provide 2 lifting devices.

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