

SY-G®

DIGITAL SYNERGY



## OUR COMPANY

We are the catalyst for local technology integrators, helping them to reach for **NEW FRONTIERS** and free themselves from the tyranny of conventional business relationships.

We value and appreciate the effort put forth by each company, no matter the size of the market they serve. We strive to develop win-win, long-lasting, **TRUE PARTNERSHIPS** with all Stakeholders, helping them to diversify and grow their business while achieving financial health and **PEACE OF MIND**.

We foster a "Business Partner-centric culture" that will change the business dynamics between the Vendor and the Business Partner, spearheaded by a **THINK GLOBALLY–ACT LOCALLY** philosophy.



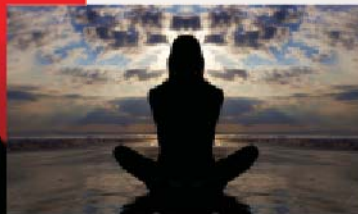
### NEW FRONTIERS

Sy-G brings a ground-breaking, enthusiastic and energized attitude into a mature industry. Our products and solutions are envisioned to empower and inspire all Stakeholders to step out of conventional business relationships and transform their businesses. We build our company around a "Business Partner-centric culture" designed to generate competitive advantages across the entire value chain.



### TRUE PARTNERSHIP

Sy-G is committed to cultivating win-win relationships with our Stakeholders. We prioritize the development of long-term integral relationships sharing a common purpose and striving for shared goals. We innovate together with our Business Partners by developing products and solutions that help build and grow their businesses while securing them a thriving financial future.



### PEACE OF MIND

Sy-G is a world-class vendor providing reliable and cutting-edge products and solutions supporting business continuity. Guaranteeing the highest availability for mission-critical applications is our priority. Our product portfolio complies with international standards and is designed to meet and even exceed the industry's best practices. Our *raison d'être* is to allow customers to concentrate on their business and not have to worry about ours.



### THINK GLOBALLY – ACT LOCALLY

Sy-G strives to develop and support the most professional, knowledgeable, and service-focused Business Partner network in order to guarantee customers the reliability of the solutions deployed. We understand that each market is unique with its own individual requirements and technical specifications. We respect and appreciate the local idiosyncrasies because it is our priority to design and supply customized solutions specific to the needs of each territory.



## PRODUCTS & SOLUTIONS PORTFOLIO

### POWER SOLUTIONS

- ▶▶ UNINTERRUPTIBLE POWER SYSTEMS (UPS)
- ▶▶ BATTERIES

### COOLING SOLUTIONS

- ▶▶ PERIMETRAL PRECISION AIR CONDITIONERS
- ▶▶ WALL-FIT PRECISION AIR CONDITIONERS
- ▶▶ PACKAGED AIR CONDITIONERS

### TECHNICAL FLOORING SOLUTIONS

- ▶▶ RAISED ACCESS FLOOR
- ▶▶ VYNIL TILES

### CABINET SOLUTIONS

- ▶▶ SERVER CABINETS
- ▶▶ TELECOM CABINETS

### INTEGRATED SOLUTIONS

- ▶▶ COMPACT DATACENTER





## TECHNICAL FLOORING SOLUTIONS

World-class technical flooring solutions specially designed to achieve modularity, efficiency, and security. Sy-G offers a complete range of solutions, as well as a suite of accessories for maximum performance.



# TECHNICAL FLOORING SOLUTIONS



The flooring system complies with the National Standard, Grade A-1 for fire performance-rating under ASTM E84-01 (Standard Test Method for Surface Burning Characteristics of Building Materials), categorized as incombustible with zero (0) flame speed index and zero (0) smoke density rating. The system also has a 106 - 1010  $\Omega$  static dissipative resistance.

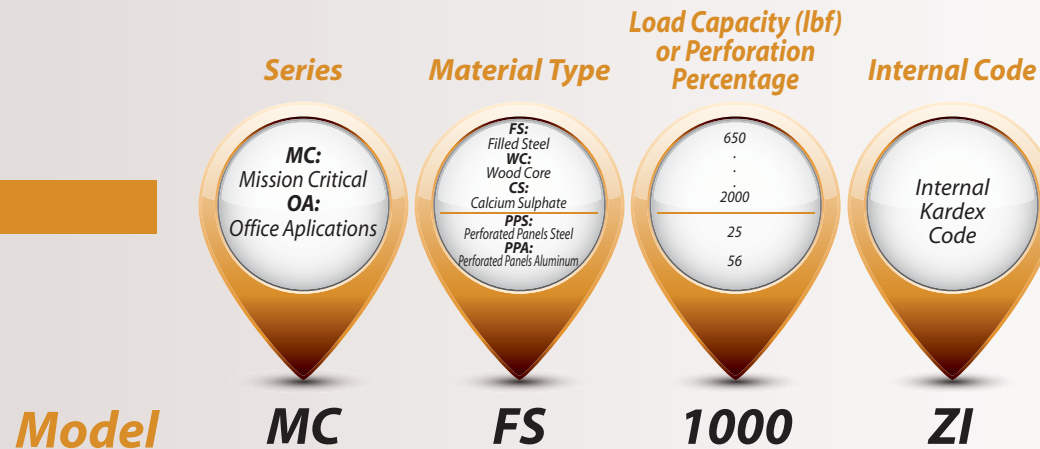
Our Technical Flooring solutions portfolio includes two different types of products: Raised Access Floor and ESD Vinyl Tiles.

**RAISED ACCESS FLOOR**

**ELECTROSTATIC DISCHARGE (ESD) VINYL TILES**



**NOMENCLATURE**



\*Note: For perforated panels, instead of load capacity the value is associated with perforation percentage.



## RAISED ACCESS FLOOR

*Raised access floor designed for mission-critical applications (e.g. data centers, telecom switch centers, call centers, etc.), where underfloor cooling distribution and cable management is important. Raised access floor systems consist of two main components: the understructure and the panels (specific design according to different applications).*

### **Understructure**



#### **FEATURES**

- *Constructed of galvanized steel to eliminate zinc whiskers*
- *The bolted stringer system integrates pedestal bases, adjustable pedestal heads, stringers, and fasteners*
- *The standard pedestal height ranges from 4" (102 mm) to 48" (1222 mm) and are manufactured to comply with customized specifications*
- *Optional entry ramps or steps*
- *Optional seismic brace, which can be easily attached to any pedestals for ultimate lateral support*

#### **BENEFITS:**

- *Provides a strong and secure platform for mission-critical equipment*

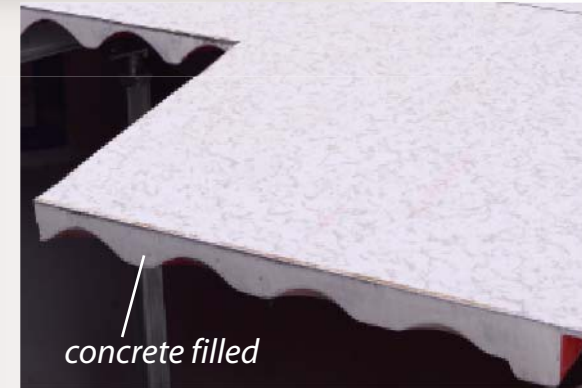




## MISSION-CRITICAL APPLICATIONS

## MC SERIES

## CONCRETE FILLED STEEL



### FEATURES

- The panel is built with high-quality deep-stretched coil and SPCC steel sheets; punched, spot-welded, coated with epoxy powder, and filled with foamed lightweight cement
- The top steel sheet of the panel is stuck-on with anti-wear and a 1.6 antistatic High-Pressure Lamination (HPL)
- The panel systems are available in both metric standard (600 mm x 600 mm) and imperial standard (24" x 24")
- The panels are finished with integral trim technology that reduces chipping

### BENEFITS:

- Robust and stable support structure
- High-quality, durable materials (e.g. HPL core, manufactured from virgin paper to eliminate cracking)
- Safety and standard accomplishment (IEC 61000-4-2 & TIA-942)
- Distinguished decorative finish

### TECHNICAL SPECIFICATIONS: MC SERIES CONCRETE FILLED STEEL

MODEL	Concentrated Load			Rolling Load		Ultimate Load		Uniform Load		Rolling Load				Average System Weight per m2
										10 passes		10,000 passes		
	N	kgf	lbf	N	kgf	N	kgf	N/m2	kgf/m2	N	kgf	N	kgf	kg
MCFS800ZI	≥3,596	≥367	≥808.41	670	68	≥10,799	≥1,101	≥19,796	≥2,019	≥2,959	≥302	≥2,215	≥226	39.34
MCFS1000ZI	≥4,498	≥459	≥1011.19	670	68	≥13,494	≥1,376	≥23,294	≥2,375	≥3,596	≥367	≥2,959	≥302	43.46
MCFS1250ZI	≥5,595	≥571	≥1257.81	670	68	≥16,797	≥1,713	≥33,084	≥3,374	≥4,498	≥459	≥3,596	≥367	51.73
MCFS1500ZI	≥6,693	≥682	≥1504.65	670	68	≥20,090	≥2,049	≥42,581	≥4,342	≥5,595	≥571	≥4,498	≥459	55.75
MCFS2000ZI	≥8,898	≥907	≥2000.35	670	68	≥26,685	≥2,721	≥49,784	≥5,077	≥6,693	≥682	≥5,595	≥571	64.12

(1) — Certifications & Standards: ISO 9001; ISO 14001; CE; CISCA; VOC; TUV

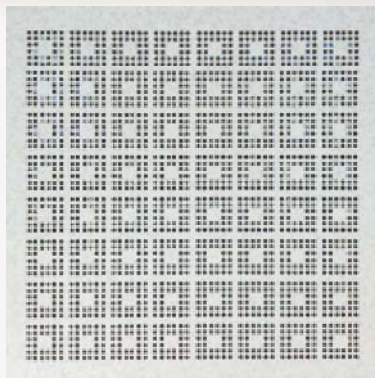
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## MISSION CRITICAL APPLICATIONS

## MC SERIES

## PERFORATED PANELS



### FEATURES

- Exactly the same size and finish as anti-static solid panels, but built with hollow cavity
- Steel and aluminum panels are punched with ventilation holes
- Perforated panels vary from 25% to 56% perforations
- The panel systems are available in both metric standard (600 mm x 600 mm) and imperial standard (24" x 24")
- Slide damper (optional)

### BENEFITS:

- Steel and aluminum-perforated panels allow underfloor air conditioning to flow through the floor up to equipment

### TECHNICAL SPECIFICATIONS: MC SERIES PERFORATED PANELS

Type	Concentrated Load			Safety Factor
	N	Kgf	lbf	
MCPPA56ZI	6672.33	3300	1500	>2
MCPPS25ZI	404.79	200.2	91	

(1) — Certifications & Standards: ISO 9001 ; ISO 14001 ; CE ; CISCA ; VOC ; TUV

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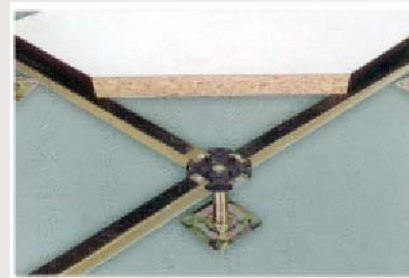
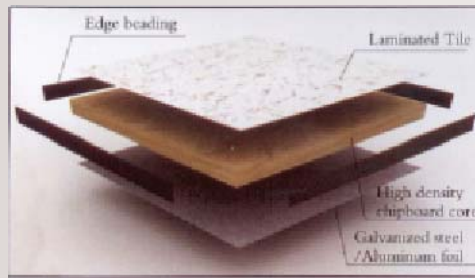




# OFFICE APPLICATIONS

## OA SERIES WOOD CORE

Raised access floor designed for spaces that need flexible installation and easy layout of cabling and wiring, such as telecommunication rooms, computer rooms, banks, smart offices and other anti-static requiring places.



### FEATURES

- The panel is constructed with high-density chipboard core encapsulated in full galvanized steel encasement.
- The panel systems are available in metric standard (600 mm x 600 mm) and imperial standard (24" x 24")
- 1.6 mm anti-static High Pressure Lamination (HPL)

### BENEFITS:

- Robust and light-weight
- Isolates noise
- Particularly suitable for areas of high humidity.
- High-quality, durable materials (e.g. HPL core, which is manufactured from virgin paper to eliminate cracking)
- Elegant decorative finish

### TECHNICAL SPECIFICATIONS: OA SERIES WOOD CORE

TYPE	Concentrated Load			Impact Load	Ultimate Loas	Uniform Load	Rolling Load	
	N	Kgf	lbf				10	10000
OAWC650ZI	≥2990	≥1478	≥672.17	670	≥8890	≥12500	2215	1548
OAWC800ZI	≥3596	≥1778	≥808.41	670	≥10799	≥19796	2959	2215
OAWC1000ZI	≥4498	≥2224	≥1011.19	670	≥13494	≥23294	3596	2959

(1) — Certifications & Standards: ISO 9001 ; ISO 14001 ; CE ; CISCA ; VOC ; TUV

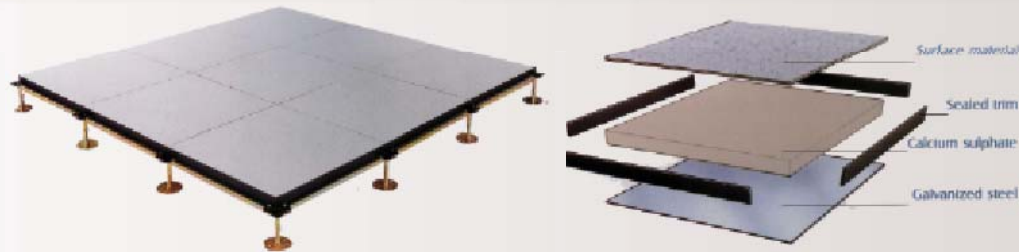
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## OFFICE APPLICATIONS

## OA SERIES CALCIUM SULPHATE



### FEATURES

- Calcium sulphate core, steel bottom surface, HPL or PVC top surface, and PVC edges
- Easy to interchange other types of panels
- The panel systems are available in both metric standard (600 mm x 600 mm) and imperial standard (24" x 24")

### BENEFITS:

- High-strength panels for intensive loads
- Excellent mechanical properties
- Waterproof, fireproof, and rot-proof
- Acoustic absorption
- Reduced sensitivity to humidity and temperature
- Outstanding antistatic performance
- Good sealing

### TECHNICAL SPECIFICATIONS: OA SERIES CALCIUM SULPHATE

Type	Concentrated Load			Impact Load	Ultimate Load	Uniform Load	Rolling Load	
	N	Kgf	lbf				10	10000
OACS1000ZI	≥4498	≥2224	≥1011.19	670	≥13494	≥23294	3596	2959
OACS1200ZI	≥5595	≥2767	≥1257.80	670	≥16797	≥33084	4498	3596

(1) — Certifications & Standards: ISO 9001 ; ISO 14001 ; CE ; CISCA ; VOC ; TUV

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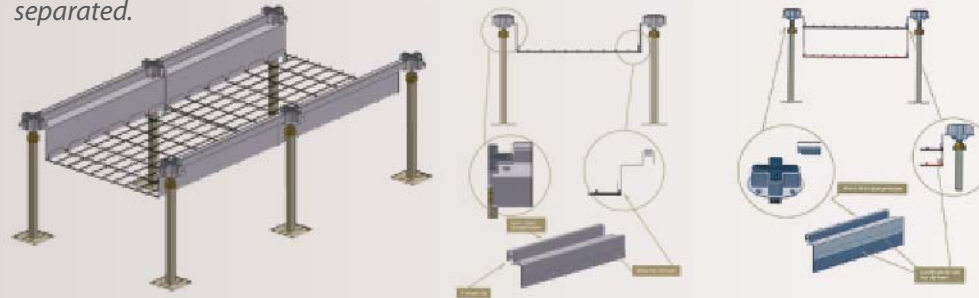


## RAISED ACCESS FLOOR

## ACCESSORIES

### IT GRIDS

IT Grids are an under-the-floor cable routing system to create a versatile pathway to route and manage the data and power network beneath the raised floor. It can be comprised of a single wiring tray, or double wiring tray, where services can be separated.



#### BENEFITS:

- Robust construction
- Quick installation
- Integral grounding and bonding

### FAN UNITS

Fan units are specially designed to provide cooling support on specific spots of the raised floor. The units have multiple control options to automatically turn on when additional cooling is needed. These powerful solutions are ideal to eliminate the toughest hot spots in data centers.



- Multiple control options
- VN, client sensor network
- User programmable set point
- Variable fan speed for precise airflow control

- Easy installation
- No maintenance required
- High-precision, quick-response temperature measurement





## RAISED ACCESS FLOOR

## ACCESSORIES

### AIR GROMMETS

Air Grommets are economic and effective accessories to cover cable openings, eliminate bypass airflow, and optimize the cooling management of the raised floor plenum. Air Grommets are available in a variety of colors and sizes offering various designs and color schemes.

- Reduces air loss and increases under-floor static pressure
- Improves cooling efficiency in the raised floor plenum
- Reduces hot spots
- Lowers energy consumption and increases PUE
- Prevents under-floor contamination by sealing cable openings
- Extends cooling equipment lifespan



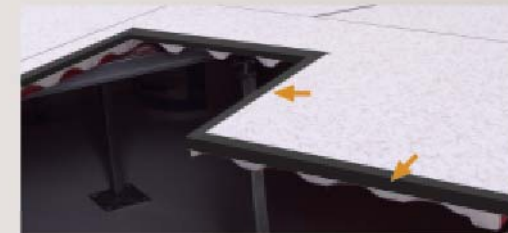
### BLANKING PANELS

Blanking Panels provide 99.97% of sealing in the racks, thus eliminating openings between IT equipment. These panels are designed for 1U and 2U openings controlling air flow and achieving effective cooling, as recommended by the TIA-942 international standard. These panels allow saving energy and reducing the carbon footprint of data centers.



### L-MOLDING

L-molding is used to line panel interiors when they have been cut, typically to allow the installation of cables entering through the raised floor, and to prevent plenum air leakage. The rigid plastic is made of injection-molded resins and is resistant to chipping or breakage.



### LIFTING DEVICE

Lifting devices allow fast and simple removal of floor panels to make installations and re-designs easy. There are a variety of lifting devices including double-suction cups and airflow panel lifters with very high load ratings and are ready-to-use. They can be easily stored in lifter wall mount brackets.





## VINYL TILES

## ESD SERIES

## CONDUCTIVE/ DISSIPATIVE

ESD floor tiles are commonly used for telecom, electronic industries, cell-type machine rooms, computer rooms, and clean rooms that require special conductive or dissipative properties.

### FEATURES

- Mainly built of PVC high density resin
- Plastic particle interfaces are used to form a permanent conductive or dissipative matrix

### BENEFITS:

- Abrasion and corrosion resistance
- Ageing resistance providing longer lifespan
- Low dust emissions
- Elegant decorative finish

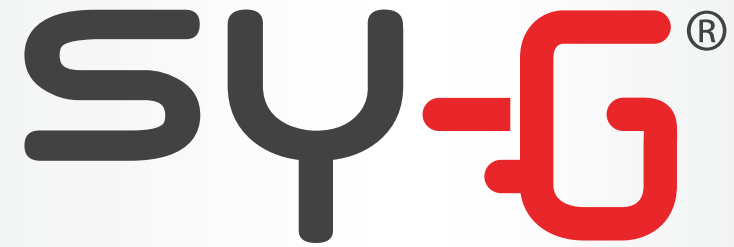
### TECHNICAL SPECIFICATIONS ESD SERIES

ITEM	SDLYD13ZI
THICKNESS	3.0 mm
SIZE	610*610 mm
WEIGHT	5.8 kg
ELECTRIC PROPERTIES DIN511953 ASTM F-150 OR NFPA99	DISSIPATIVE TILE 10 <sup>5</sup> ~ 10 <sup>8</sup> OHM
EDCAY TIME SJ/T 10694-2006 (1000V +/- 100V ≤ 2S)	EQUAL 0.4S
CHARGING VOLTAGE SJ/T10694-2006 (V< 100V)	EQUAL 70
FIRE RESISTANCE GRADE DIN4102	B1
COMBUSTION PROPERTIES SJ/T11236-2001 (<10S)	EQUAL 0.35SFV-0
AMOUNT OF ANTI-WEAR SJ/T11236-2001	EQUAL 0.014
ANTI-WEAR PROPERTIES EN660PT2	ITEM-T<2.0mm <sup>3</sup>
WHEEL PRESSURE EN25	NO INFLUENCE
RESIDUAL CONCAVITY EN433/DIN51955	0.04 mm
DIMENSIONAL STABILITY EN 434	≥ 0,10%
COLOR FASTNESS ISO105B02	AT LEAST 6
RESISTANCE TO CHEMICALS DIN423/ DIN51958	EXCELLENT
IMPACT SOUND ABSORPTION VLI, ISO 104, ISO717	APROX 2DB

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