



ASM
innovations in access flooring

- Office Spaces
- Classrooms
- Casinos
- Call Centers

You Can Help the Environment with Green Building Technology

Office Space 2010



Total Quality Logistics
100,000 sq. ft.
ASM Quick-Loc
ESW Intelligent
Office Space



Helping you become
LEED Certified



U.S.A. Design & Engineering
U.S.A. Quality & Testing
Global Vision


Kingspan®



ASM's Enviro Panel:

Most widely used panel design in the world

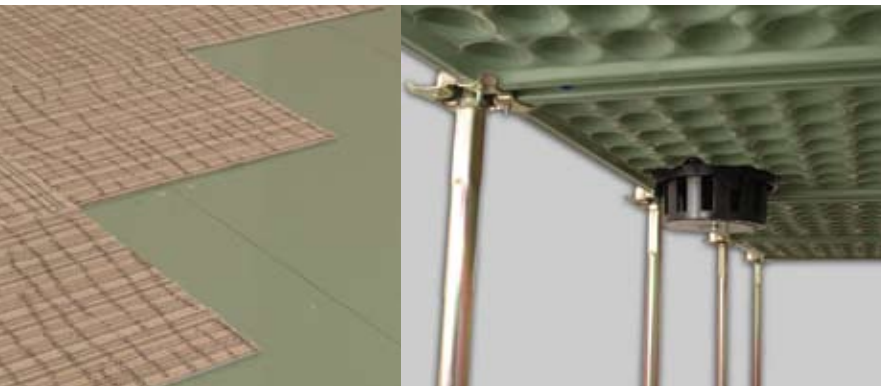


ASM's High Strength
Welded Steel
Cement Filled Floor Panel

High Strength Corners

High strength cement fill, along with steel designed in the corners where it is needed, gives ASM the best corner panel loading in the industry.

- 🌿 **Most widely used panel design in the world**
- 🌿 **Full strong corner where it is needed most**
- 🌿 **Rigorous performance testing**



ASM belongs to the Kingspan Group of companies. Kingspan Group PLC is a publicly traded company, specializing in the manufacture and sale of building materials and components. ASM specializes in the manufacture and sale of access floor systems designed and built for the North American market. Our ISO 9002 factory, along with rigorous quality

Ultimate Load Capacity

The point of failure or collapse is the single most important indicator of performance. Be sure to look at ultimate load when selecting an access floor panel for your application.



control systems and procedures, ensures ASM produces only the highest quality products. ASM is a long-standing member of CISCA.





Dual Support Technology

**You Have To Walk On It
To Believe It**

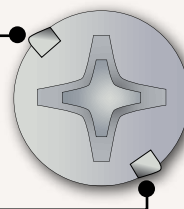
ASM's Quick-Loc Support System (patent pending)

Support At Its Best

The ASM Quick-Loc pedestal (patent pending) is stamped and formed from one piece of metal, making it incredibly strong.

- ✓ Solid and Quiet
- ✓ 3" and Up in Floor Height
- ✓ Designed to be the Best

2 chips for breaking coating on surface of countersink and establishing metal-to-metal ground



The One And Only Dual Support System!

The Strongest Low Profile Systems In The Industry

Low Profile Wire Management System

The ASM low profile system is perfect for retrofits, or any building where low ceiling space is an issue. This system utilizes the ASM low profile pedestal (LPP) to achieve a low profile floor system.

- Adapts to spaces with low ceilings
- Threaded rod allows leveling of the floor, eliminating the need to level systems furniture
- Quiet and Solid feel underfoot
- Easy installation and disassembly
- 24"x 24" All steel welded construction
- Concrete filled
- Class "A" fire rating
- Adjustable pedestals for uneven concrete floors
- Quick-Loc pedestal provides full corner support of panels

FS-Series Concrete Filled Welded Steel Panels

Our best seller, the FS-Panel system, is constructed of a welded structural steel assembly designed to accommodate ultimate and dynamic loads. Its specially formulated cementitious fill and powder coated epoxy finish gives the FS panel a quiet and solid feel underfoot. Panel systems are available in both 24" x 24" and 600mm x 600mm.



General Office

This panel is extremely quiet. With its powder coated bare finish and low cost, it is always a great choice for your general office requirements.



FS-Series Performance Guide

Panel	Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-Pass		Rolling Load 10,000-Pass	
	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
FS100	3300	(14.68)	1000	(4.45)	175	(0.78)	800	(3.55)	600	(2.67)
FS200	3900	(17.35)	1250	(5.56)	175	(0.78)	1000	(4.45)	800	(3.55)
FS300	5400	(24.02)	1500	(6.67)	175	(0.78)	1250	(5.56)	1000	(4.45)
FS400	6300	(28.02)	2000	(8.90)	200	(0.89)	1500	(6.67)	1200	(5.34)
FS500	7000	(31.14)	2500	(11.12)	200	(0.89)	2000	(8.90)	1800	(8.01)
FS600	10,000	(44.48)	3000	(13.34)	400	(1.78)	3000	(13.34)	3000	(13.34)

Notes: ASM Products are tested by a certified United States testing company. Certified test reports in accordance to [CISCA](#) test procedures are available upon request.

S-Series Hollow Welded Steel Panels

The S-Series hollow steel panel system uses the same welded steel technology found in the FS panel. With its high strength and light weight, the S-Series panel is the product of choice for many computer room applications. This panel has the ability to interchange with the FS panel, allowing for ultimate flexibility in flooring design. Panel systems are available in both 24" x 24" and 600mm x 600mm.



The Ultimate Load is considered the single most important test in the CISCA series, as it indicates when panel failure occurs.

Designed in the US, developed in the US, for the US market, tested as per CISCA procedural requirements, using stringent US standards.

The performance charts shown indicate product performance when tested in accordance with CISCA test procedures.

FAQ

Is it the industry standard to advertise CISCA performance results only?

No. You must check tables and charts and make certain it is clearly noted that results represented are according to CISCA test procedures. If there is no mention of CISCA, you can assume they do not test per CISCA procedures.

S-Series Performance Guide

Panel	Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-Pass		Rolling Load 10,000-Pass	
	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
S100	3200	(14.23)	1000	(4.45)	150	(0.67)	400	(1.78)	400	(1.78)
S125	4500	(20.02)	1250	(5.56)	150	(0.67)	500	(2.22)	500	(2.22)
S150	5000	(22.24)	1500	(6.67)	150	(0.67)	600	(2.67)	600	(2.67)

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MC125 Metal Clad Woodcore Systems

ASM Management is responsible for the design and initial production of the most famous and widely used woodcore system in the world.

The ASM MC125 Panel is constructed of a high density composite core encased in a sheet metal shell. The MC Systems offer high performance characteristics in a fair valued product. Its solid feel and light weight offers an economical solution to your access floor needs.

Renovation Projects & New Construction

The woodcore panel's flexibility and light weight make it an excellent option for retro-fits as well as new construction.

General Office

The woodcore panel's solid feel is quiet yet economical. An excellent rolling load and Class A flame spread rating make this a perfect choice for general office use.

Computer Rooms

In addition to its light weight, a strong ultimate load capacity makes this a favorite for computer rooms.

MC-Series Understructure

A variety of understructure options ranging from standard Bolt-Tite to heavy duty rigid grid will accommodate any type of flooring installation. All understructure is manufactured in our ISO 9002 facility.



Class A flame spread rating



Quiet



Internally grounded



Light Weight

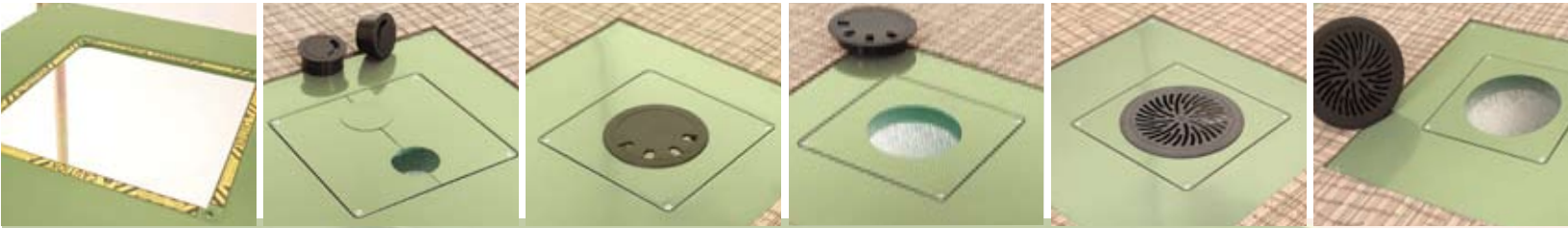
MC125-Series Performance Guide

Panel	Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-Pass		Rolling Load 10,000-Pass	
	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
MC125	3000	(13.34)	1250	(5.56)	150	(0.67)	1000	(4.45)	800	(3.55)

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Designed To Be Stronger and Safer

EASY^{Panel} ACCESS



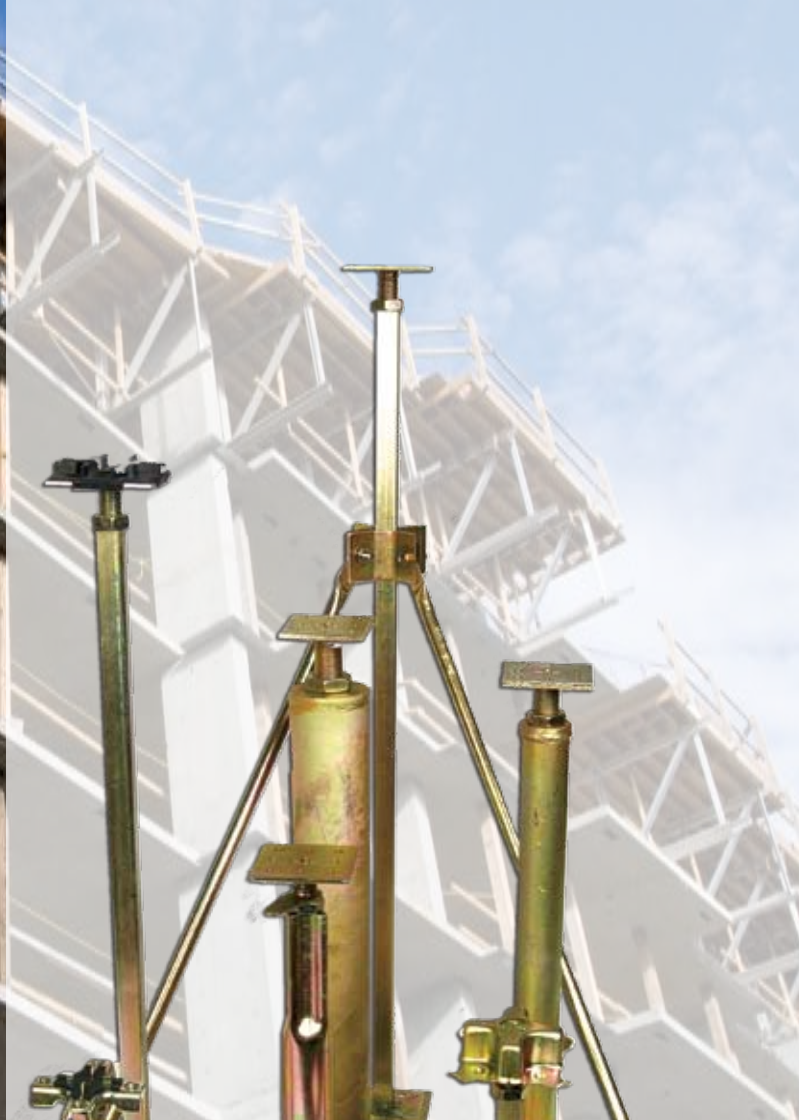
- Stronger
- Safer
- Versatile
- Modular
- Reduce Labor Cost

Versatility in Your Building



Factory Sealed Edges





ASM's Understructure

ASM's superior finishes are effective and consistent, giving a bright and polished look with protective properties. All ASM's parts are dipped in a corrosion-resistant finish after stamping and welding, to protect welds and raw edges from rusting.

- 🌿 Versatile understructure for all types of installations
- 🌿 Electrical resistance of less than 10 ohms

Is the sequence of processes significant in the manufacture of pedestal systems?

The sequence is critical: the dipping process completely protects welds and raw edges if it is done after welding and stamping.

Atlas Seismic Pedestals

ASM offers the most comprehensive variety of pedestal types allowing for durable strength in any of zones 1 through 4. This full line of pedestals can further be strengthened by bolting them to the concrete slab for the most solid access flooring systems available.






ASM introduces its Atlas Pedestal Systems, designed for optimal heavy-duty support and for the most severe conditions. No other system compares for strength and simplicity.









Benefits For You Using An ESW

Owner Occupied Benefits

-  Save Up To 40% On Your Energy Costs
-  Less Employee Sick Days
-  Clean Air Environment For Your Employees
-  Save Substantial Money On Your First And All Future Renovations
-  Easily Move Employees & Departments Overnight

Landlord & Developer Benefits

-  Lower Turnover Construction Costs
-  Lower Tenant Turnover Costs
-  Increased Building/Asset Value
-  Give Your Tenants The Best Working Environment

For more information, please see
ASM's complete ESW brochure.



What comprises an ESW System?

- Underfloor HVAC/UFAD System
- Electrical Distribution System
- Raised Access Floor System
- Modular Carpet Tile

For more information, please see ASM's complete ESW brochure.



Electrical Distribution System

The Most Flexible Plug & Play Sytem on the Market Today

- Patented Modular Receptacles allow for easy adding of receptacles or change circuits at any time
- Oval profile on metal conduit to fit under low profile flooring with small turning radius and extreme durability
- Floor Boxes act as a distribution point with 1 in 3 out connection ports. Hook up wall outlets, power up furniture, or jump to other floor boxes.
- Patented terminal technology to reduce voltage drop at connection points

4 - Duplex Capacity Floor Box

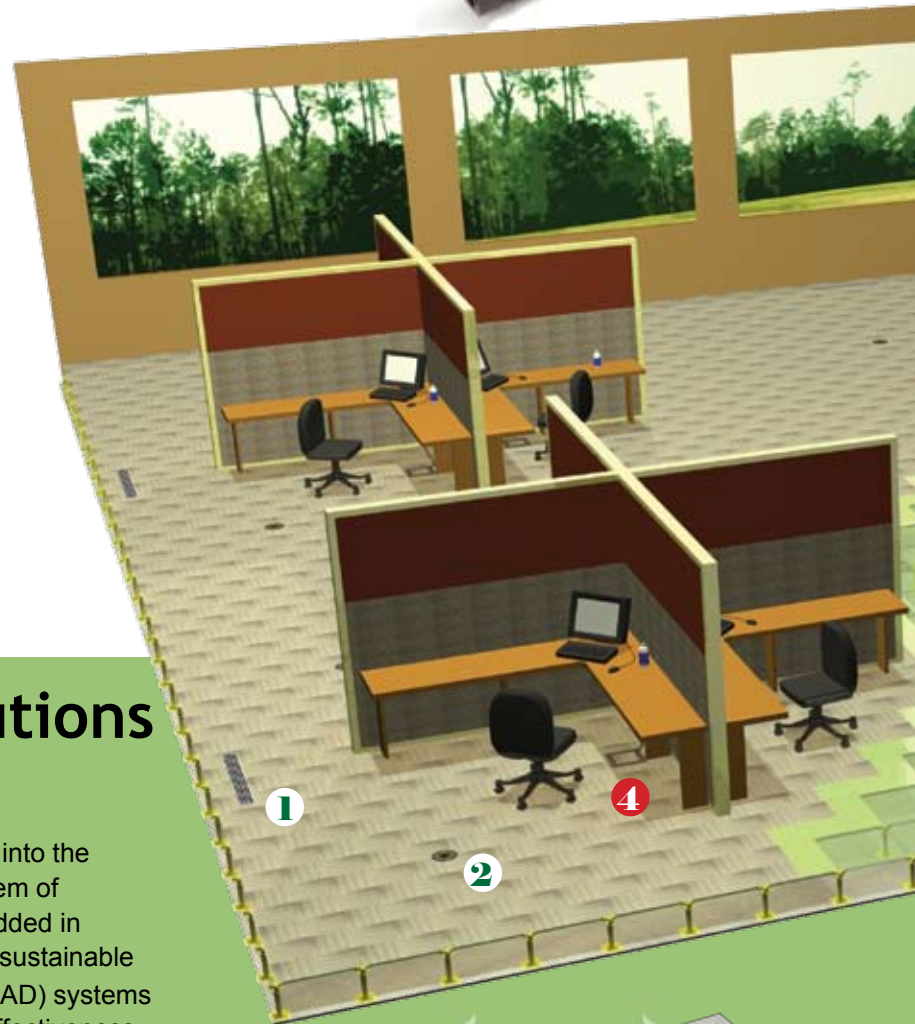
5 - Modular Receptacle

1 - Electrical Panel or UPS

2

12 - Circuit Zone Distribution Box

3 - Jumper Cable



Green Building Solutions UFAD Systems

The optimal delivery of clean and conditioned air into the workspace is under the floor, delivered by a system of components so flexible it can be rearranged or added in minutes. UFAD is a key element in the design of sustainable office facilities, **U**nder **F**loor **A**ir **D**istribution (UFAD) systems provide LEED opportunities for their ventilation effectiveness, use of materials, and controllability. They enable facilities to maintain comfortable temperatures and ensure high indoor air quality for occupants, while reducing the costs of distributing power and data cabling.

It can reduce the overall energy consumption of a building by up to 20%. Natural convection currents reduce fan energy use by upwards of 32%, and reduce cooling energy expenditures by 15%.



Linear Air Grill

1 Equipment Rack



2 Patch Panel



3 RapidNet CAT6 CMP cassette to cassette 6-port loom



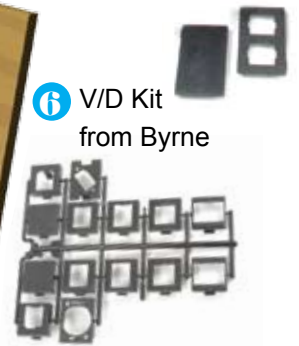
4 Zone Box



5 Patch Cord

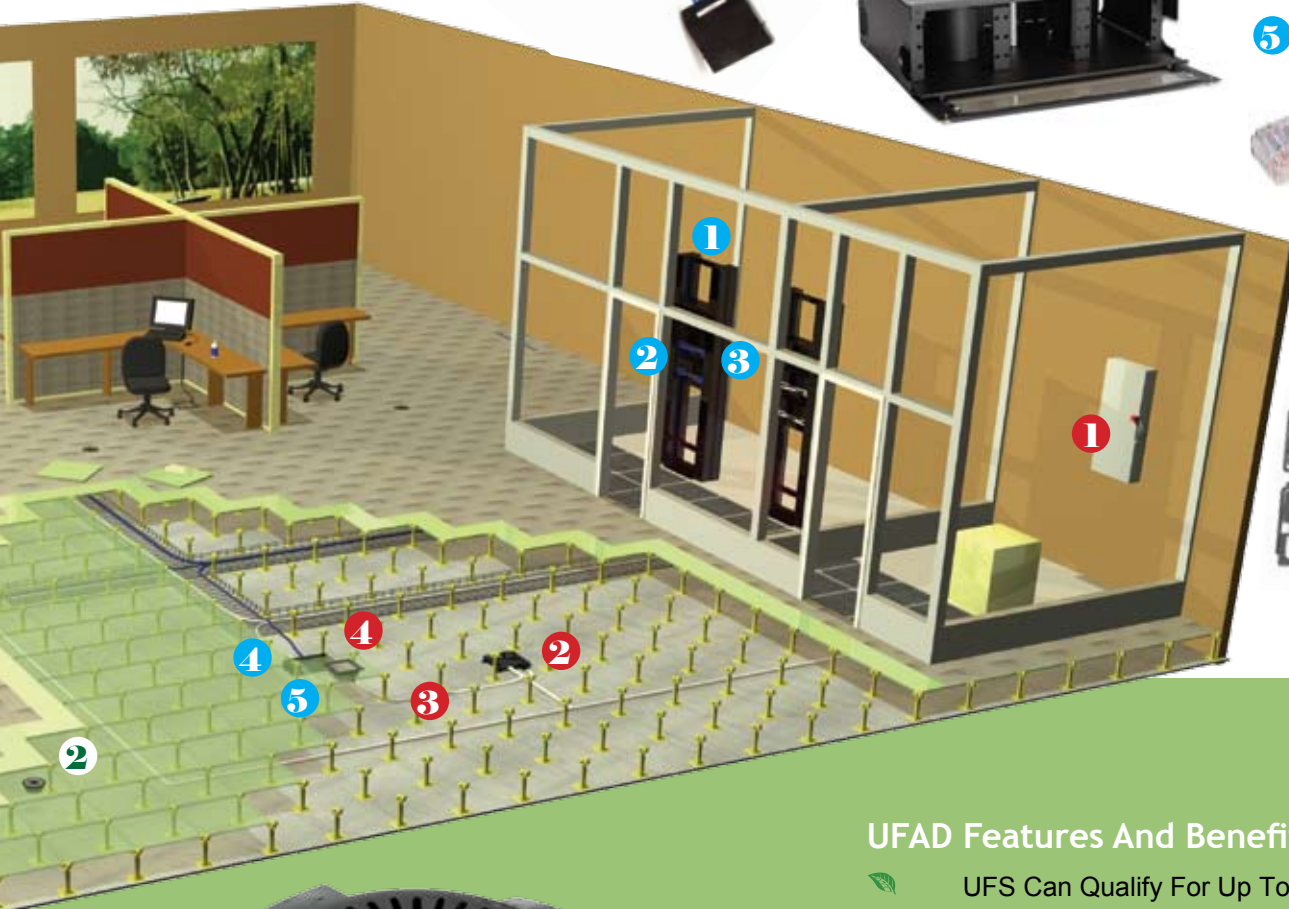


6 V/D Kit from Byrne



Voice and Data Distribution System

- Preterminated, Factory tested, bundled CAT 6 Network Cabling
- Reduces installation time by 85%
- 25 Year system warranty
- Solutions available in riser or plenum rated cable, shielded and fiber varieties



2 Diffuser

UFAD Features And Benefits:

- ✓ UFS Can Qualify For Up To 14 LEED Credits
- ✓ Save 35% To 50% On Your Electrical Bill
- ✓ Improves Occupant Comfort
- ✓ Improves Ventilation Rate
- ✓ Occupants Adjust His/Her Air Volume
- ✓ More Cost Effective Than Overhead Systems
- ✓ Eliminates 80% Or More Of The Required Ductwork Found In Overhead Systems
- ✓ Can Lower Slab To Slab Height 6"-12"/ floor.

Buildings Account For 60% Of Electricity Used In the USA.



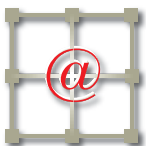
In addition to being the largest access flooring manufacturer in the world, the Kingspan group is a major manufacturer of an integrated range of products for the construction industry. The Group continues to innovate and improve on an existing product range, and have done so successfully for over 30 years. These innovations are clearly seen within Kingspan's emphasis on Modern Methods of Construction and importance on increasingly sustainable buildings.

The Group's companies have a presence around the world that is ever increasing.

For more information about Kingspan please visit us at www.kingspan.com.



Green Building Technology



ASM
innovations in access flooring

9500 Industrial Center Drive
Ladson, South Carolina
29456
(843) 534-1110
(843) 534-1111 Fax

www.asmproducts.com

