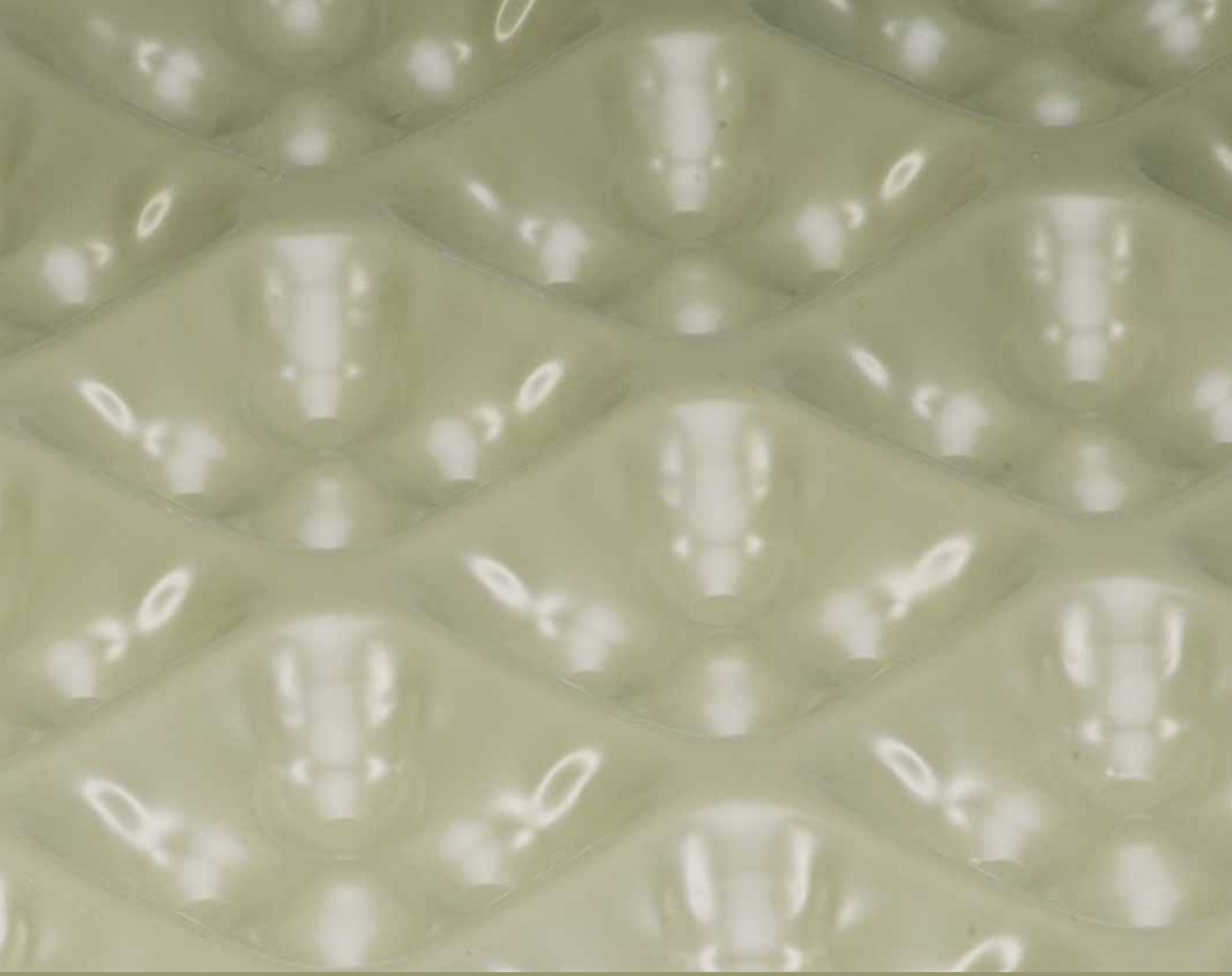


FLOORS THAT SUPPORT TODAY'S BUSINESS ENVIRONMENT.

SOLID FEEL

SolidFeel Access Floor Systems

The SolidFeel range of access floors has been specifically designed to cater for the demands and flexibility required by today's highly technological business environment.

The SolidFeel System Includes:

- SolidFeel
- Severn
- Perforated Airflow

Product Selector	GENERAL OFFICE	GENERAL OFFICE HEAVY EQUIPMENT	COMMUNICATION CENTRES	PRESSURISED ROOMS
PANELS				
SOLIDFEEL 20	X			
SOLIDFEEL 25		X	X	X
SOLIDFEEL 45		X	X	X
SOLIDFEEL 70		X	X	X
UNDERSTRUCTURE				
FREESTANDING SYSTEM	X			
SNAP-LOC SYSTEM		X	X	
LOW-LOC SYSTEM	X			
SCREWDOWN SYSTEM		X		X
PANEL-LOC SYSTEM	X			

SolidFeel access floors exceed all performance criteria without sacrificing aesthetics, acoustics, safety or stability. SolidFeel access floor panels are either cement filled (SolidFeel) or all-steel open cell construction (Severn).

Their innovative and unique design is ideally suited to specific office, computer room or clean room applications.

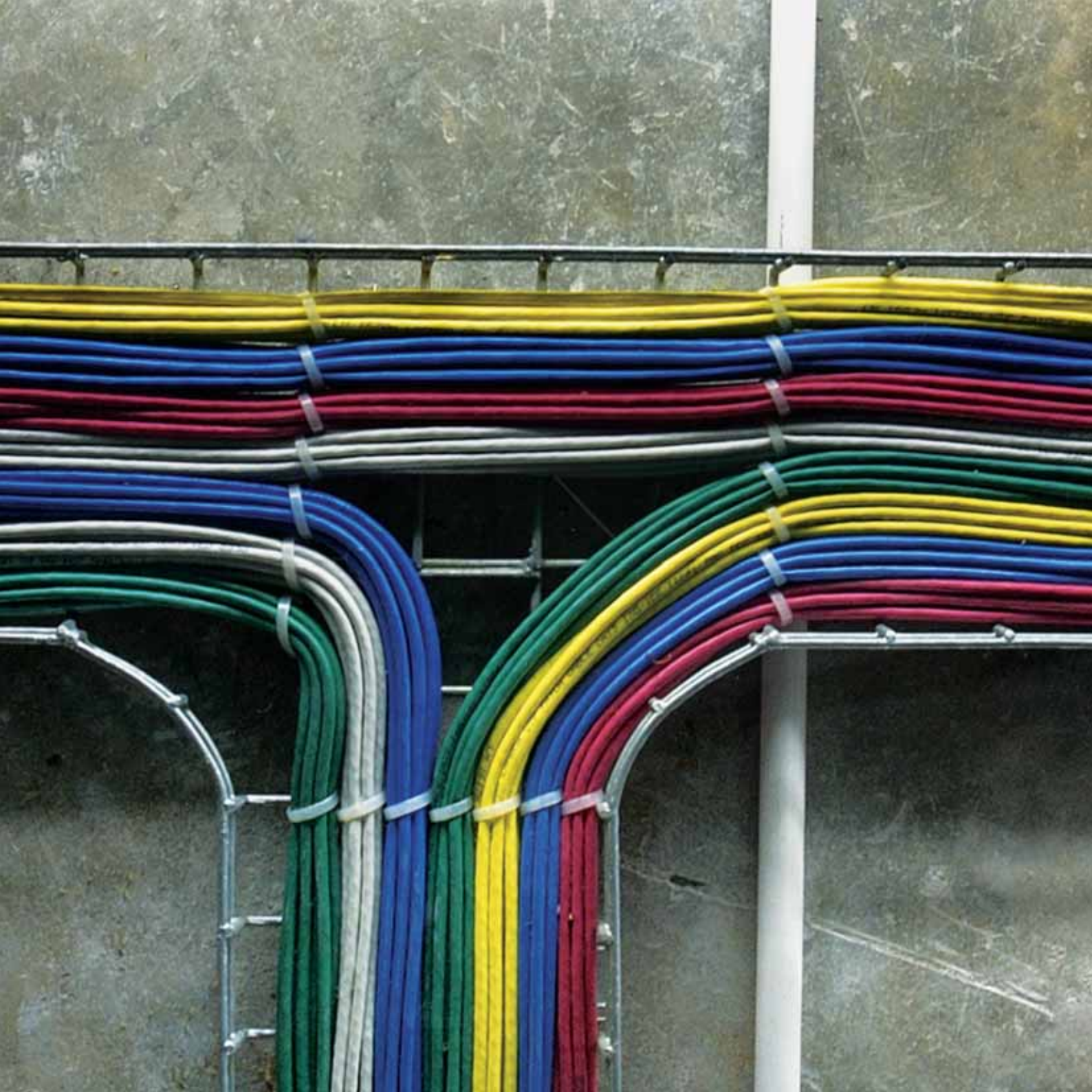
Quality

The manufacturing of all SolidFeel access floor components is done under a stringent quality management system.

Load Performance Tables	SOLIDFEEL 20	SOLIDFEEL 25	SOLIDFEEL 45	SOLIDFEEL 70
TYPE OF LOAD				
CONCENTRATED LOAD (on a 25mm x 25mm area)	2.9kN	4.5kN	5.6kN	9kN
UNIFORMLY DISTRIBUTED LOADS/m2	**9kN**	**13.5kN**	**15.6kN**	**25kN**
SAFETY FACTOR	27kN	40.5kN	42kN	N/A
ROLLING LOADS				
200mm x 50mm WHEEL	LOAD 2.05kN	LOAD 2.7kN	LOAD 2.7kN	LOAD 6.8kN
NUMBER OF PASSES	10000	30000	3000	10
150mm x 38mm WHEEL	LOAD 2.7kN	LOAD 3.25kN	LOAD 3.25kN	LOAD 4.5kN
NUMBER OF PASSES	1000	1000	1000	1000
25mm x 75mm WHEEL	LOAD 2.7kN	LOAD 3.6kN	LOAD 4.50kN	LOAD 5.5kN
NUMBER OF PASSES	5	5	5	5
IMPACT LOAD	**40kg**	**55kg**	**65kg**	**80kg**
PEDESTAL ASSEMBLY				
AXIAL LOAD	22.7kN	22.7kN	22.7kN	22.7kN
PANEL SPECIFICATIONS				
PANEL SIZE	600mm x 600mm	600mm x 600mm	600mm x 600mm	600mm x 600mm
TOP SHEET	0.7mm	0.9mm	1.1mm	1.4mm
BOTTOM SHEET	1.0mm	1.0mm	1.3mm	1.8mm
PANEL MASS	13.68kg	14.27kg	16.37kg	19.84kg
PULL TEST ON PEDESTAL BASE	10kg (installation test)	10kg (installation test)	10kg (installation test)	10kg (installation test)
FIRE TEST	60min (CLASS 1)	60min (CLASS 1)	60min (CLASS 1)	60min (CLASS 1)
PAINT SPECIFICATION				
E-COAT : 20 micron				
ALL STEEL PANELS	**SEVERN 50**	**SEVERN 70**	**AIRFLOW 50**	**AIRFLOW 70**
PANEL SIZE	600mm x 600mm	600mm x 600mm	600mm x 600mm	600mm x 600mm
TOP SHEET	1.8mm	2.0mm	1.8mm	2.0mm
BOTTOM SHEET	1.4mm	1.8mm	1.4mm	1.8mm
ALL SOLIDFEEL PANELS CAN BE MANUFACTURED TO A TRIM (T) SIZE TO ACCOMMODATE A FACTORY FITTED EDGE BEADING				

Note

The above loading details are shown as a guide only to typical performance and normal application practice. It is recommended, as test and performance requirements vary with national standards and procedures, that specific test data is obtained from SolidFeel or your nearest distributor.



Office Systems

SolidFeel access floor systems are the ideal choice for new and renovated office space. They conceal cables, wires, air ducting and other services, yet serve as easy access for maintenance work and relocation of these services. SolidFeel access floors are flexible enough to adapt quickly and easily to changing office furniture and equipment layouts.

Computer Room Systems

The SolidFeel access floor panels are designed to withstand heavy rolling loads and concentrated loads, often a requirement of computer room system which need to facilitate the moving and placing of computers and other equipment.

SolidFeel systems have the versatility of allowing panels with different load characteristics to be placed exactly where they are required within the same understructure.

SolidFeel Access Floor Panels

Strong, safe and quiet. The SolidFeel panel has the following advantages:

- Structural strength
- Excellent distributed load characteristics
- Good acoustical performance
- Quiet comfort under foot

The SolidFeel panels measure 600mm x 600mm. Panels are resistance welded before being filled with a cementitious fill. Each panel has square reinforcing pockets on the underside which enhance structural strength. The isotropic design, which is unique to the SolidFeel panels, gives excellent load distribution properties. SolidFeel panels are non-combustible and are coated with e-coat conductive paint.

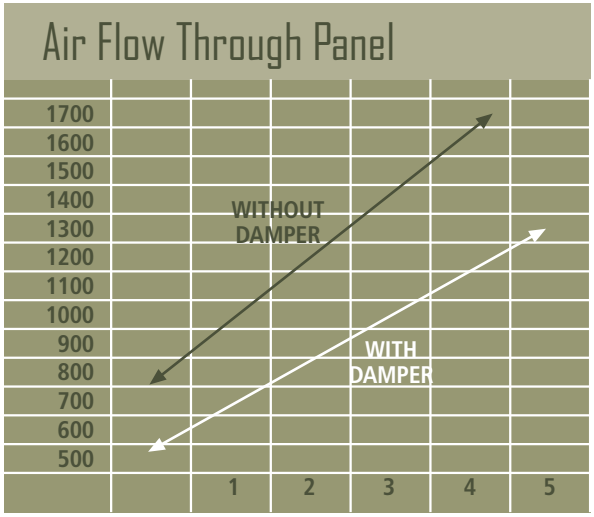
The SolidFeel panels may be fitted into any SolidFeel understructure and a wide range of floor coverings are available.

SolidFeel Airflow Panels

SolidFeel has two alternative Airflow Systems. A 600mm x 600mm perforated all steel panel covered with a hard surface covering (HPL) and a 150mm x 450mm aluminium grille that fits into a cut-out on any standard SolidFeel panel. Both are compatible with the SolidFeel and Severn systems and available for intermediate and heavy loading. The perforated panel is also available with a damper control.

Perforated Panel Performance

- Free area 0.09sq.m
- Air performance 260-600 litre/second
- Static pressure 25Pa - 125Pa



SolidFeel Severn Access Floor Panels

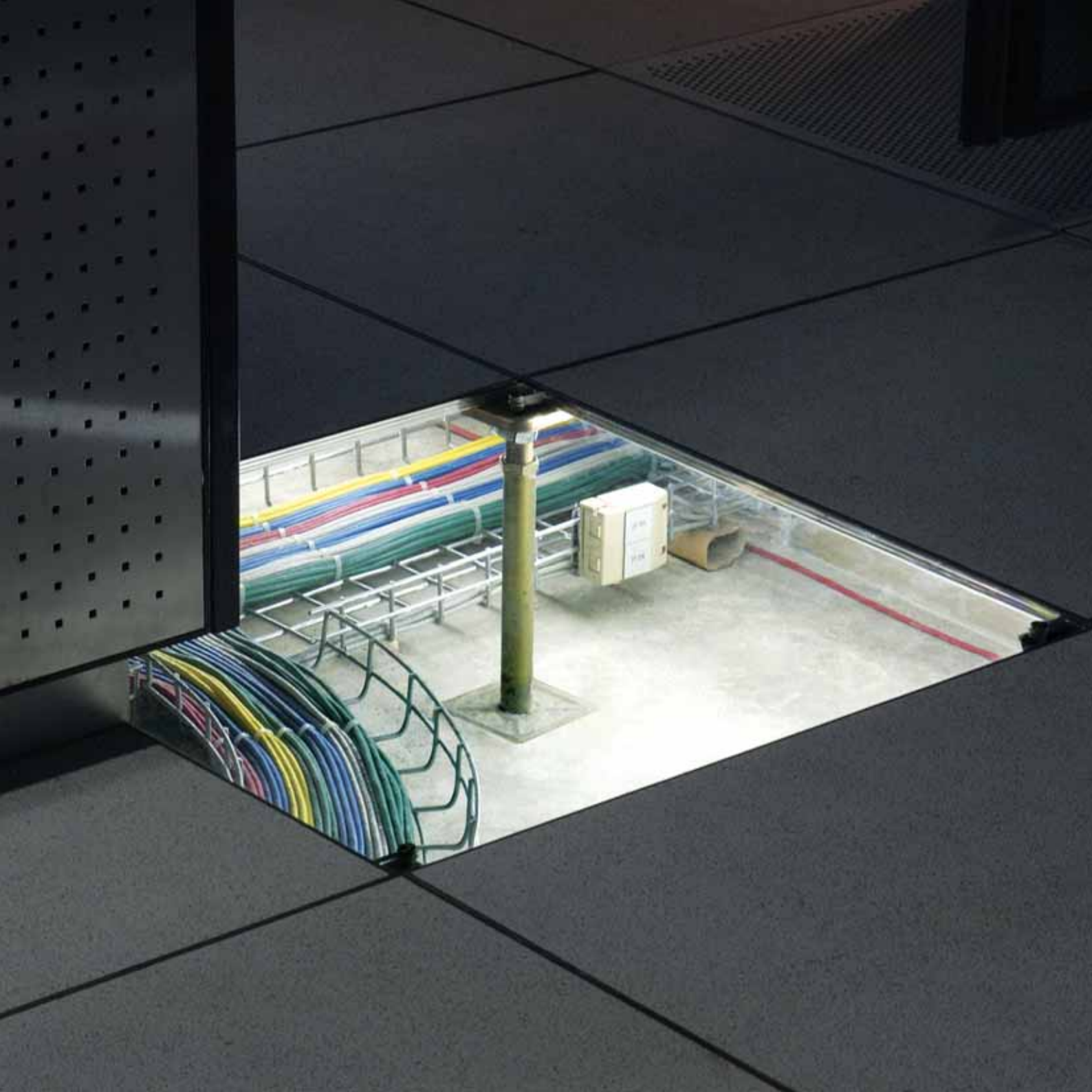
Features

The Severn access floor panels have the following advantages:

- Structural strength
- Lightweight
- Ideally suited for clean rooms

The Severn panels measure 600mm x 600mm and are assembled with a top skin resistance welded to a perforated bottom skin. The panels are non-combustible and are coated with a conductive paint.

Severn panels may also be fitted to any SolidFeel understructure and a wide range of floor coverings are available.



Panel - Loc System

Freestanding System

SolidFeel Access Floor Understructures

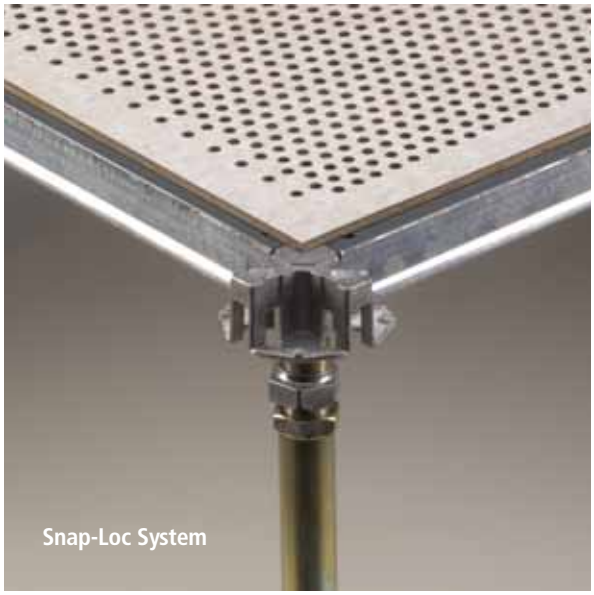
SolidFeel understructures ensure rigidity, lateral stability and quiet performance, with a solid, secure feel underfoot. All systems and understructures offer an exceptionally high degree of accessibility.

Panel - Loc System

The all steel galvanised Panel-Loc Pedestal System is suitable for general office applications. Each floor panel is mechanically fastened to the pedestal head at all four corners, ensuring rigidity and lateral stability. Access is achieved by releasing the fasteners and lifting the panel. Each pedestal head has an adjustment locking device to ensure that the pedestal height is maintained.

Freestanding System

Freestanding understructures utilise specially designed pedestal heads. An electrical conductive gasket is placed on top of the head. Freestanding systems are normally used in general office areas and finished floor heights not exceeding 500mm.



Snap-Loc System

Screwdown System

Snap-Loc System

Snap-Loc understructures are suitable for general office and computer applications and provide high stability by utilising stringers which hold the floor and pedestal head in position when panels are removed. Stringers snap on and off without tools. An electrically conductive gasket is placed on top of the stringer.

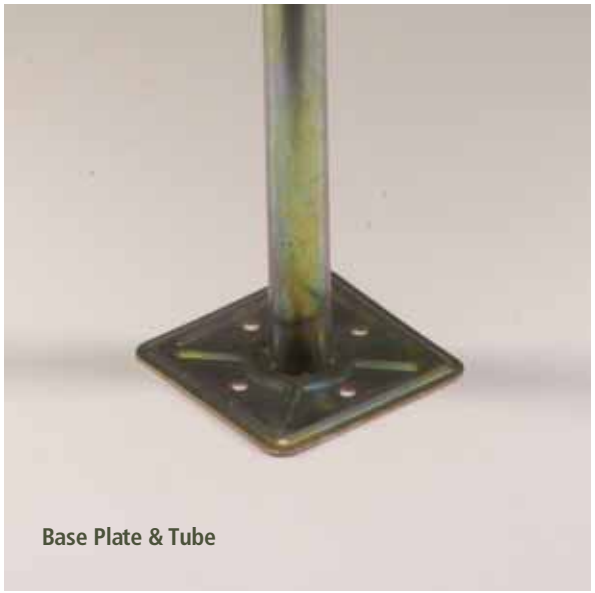
Screwdown System

Screwdown understructures are suitable for general office and computer applications and provide high stability by utilising stringers which hold the floor and pedestal head in position when panels are removed. In addition, this system has mechanical fasteners at the stringer/head interface. The Screwdown system is recommended for areas where high finished floor heights are required with improved lateral stability.

Low-loc System

Low-loc System

This system has identical performance features as the SolidFeel Panel-Loc system, but can also be used with finished floor heights as low as 75mm. With this system the range of vertical adjustment is therefore limited.



Base Plate & Tube

Base Plate & Tube

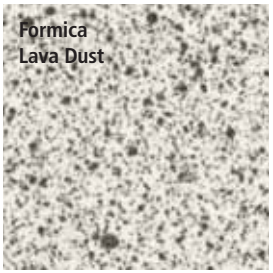
BASE PLATE - ELECTRO GALVANISED STEEL
Dimension - 100mm x 100mm
Thickness - 1.8mm

TUBE - ELECTRO GALVANISED STEEL
Outside diameter - 25mm
Wall thickness - 1.6mm
Length - depends on floor height

SolidFeel Access Floor Coverings

SolidFeel access floor coverings are available in either factory fitted carpets or static resistance high pressure laminates (HPL). Both carpets and HPL come in a variety of patterns and colours. The HPL can be fitted with either a PVC edge bead or specially chamfered edges. Coverings may also be ordered with an integral trim design, exclusive to SolidFeel. Carpets and other finishes are also available on request. (Note: Panels with factory bonded finishes may not be used with the Panel-Loc Systems).

SolidFeel High Pressure Laminate (Hpl) Range



Please note that there may be a colour variance between samples and the actual product.

Carpets

Three types of carpets are available, namely: structured needle punch, loop pile and cut pile. The above is available either laminated to panel or in a 500mm x 500mm or 600mm x 600mm loose-lay application.


City Square
Amsterdam


City Square
Paris


City Square
London


City Square
Chicago


Times Square
Mingdales


Times Square
Downtown


Times Square
Central Park


Times Square
Bronx


Coral Reef
Tobago


Coral Reef
Seychelles


Coral Reef
Cayman


Coral Reef
Barbados

Please note that there may be a colour variance between samples and the actual product.
A full standard carpet colour range is available on request.

Accessories

A variety of accessories are available which compliment and enhance the range. Contact your nearest SolidFeel distributor for details.

Single Cup Panel Lifter

Electrical Outlet Box

Grommet

Double Suction Cup Panel Lifter

Carpet Panel Lifter

Previous Page

Mettle Building, Johannesburg, South Africa

Installation List

1. MIDDLE EAST
   Kuwait Oil Ministry, Kuwait
   Ministry of Educations, Dubai
   Dubai Internet City
   Al Jazeera TV Station
   Abu Dhabe Fund
   Standard Charter Bank, Dubai

2. UNITED KINGDOM
   Canary Wharf Complex
   Telecity
   IXA Europe
   Dublin Airport, Airport Simulator Room
   Finsbury Tower
   City Point
   HMS Albion

3. SOUTH AFRICA
   Nedcor
   SA Reserve Bank
   Telkom
   MTN
   Vodacom
   Rand Water Board
   Total Head Office
   Johannesburg Stock Exchange

4. SINGAPORE
   Singapore Telecommunications
   Stats Micro Chip Manufacturers
   Revenue House
   China Square

5. AUSTRALIA
   Australian Telecommunications
   Brisbane State Headquaters

6. CANADA
   Toronto IBM Complex

7. MAURITIUS
   Reserve Bank

8. SOUTH AMERICA
   – In excess of 40 000 panels installed

Architectural Specifications

Part 1: General

1. SYSTEM DESCRIPTION

1.1 The SolidFeel (Severn) raised access floor installation consists of 600mm x 600mm modular interchangeable steel panels, supported by a steel understructure, in accordance with the specification.
1.2 All components of the access floor system are of steel construction except for panel-cementitious core: surfacing materials and gaskets between the panel and the supports.
1.3 The complete floor system shall be sturdy, rigid and free of overall rocking, rattles, squeaks and noises. The finished floor shall be level within 1.5mm in any 3.0m direction.
1.4 The system shall be electrically conductive for dissipation of static electricity whilst having enough electrical resistance to provide protection against electrical shock.
1.5 The Construction of the raised access floor system and the materials and components used therein shall comply with all local codes and laws regarding fire, safety and health.

2. QUALITY ASSURANCE

2.1 The manufacturing of the access floor components shall be under a stringent quality management system. All structural access floor components shall be supplied by one manufacturer to ensure compatibility and maintain the standards.
2.2 Method of testing concentrated, ultimate and rolling loads of access floor panels shall be in accordance with international standards procedures such as SABS, CISCA and MOB and shall be performed by an independent testing laboratory. CISCA, MOB and SABS are recommended test procedures.
2.3 Installation of access flooring shall be approved by the general contractor before other trades are involved to maintain the integrity of the installed floor system. Traffic shall not be permitted on any floor area allowing for the pedestal adhesive to set.

3. SUBMITTALS

The successful sub-contractor must submit the following documentation within six months after adjudication of the tender or by negotiation:
3.1 Certificates from the approved testing laboratory, showing compliance with the requirements of the load performance table or specified design loads.
3.2 Systems and components data sheets fully describing and specifying the performance of components and the overall system.

4. SITE CONDITIONS AND DELIVERY

4.1 The general contractor shall provide a dry, secure storage and clean sub-floor which is free of dust, construction debris and other trades during the installation of the access floor.
4.2 Materials shall be delivered in original, unopened packages clearly labeled with the manufacturer's name and item description. Material packages shall be distributed around the area where they will be used to avoid overstressing the sub-floor and to facilitate installation.
4.3 The building shall be enclosed and the temperature shall be maintained between 5ºC and 30ºC and max. 75% R.H.

PART 2: PRODUCTS

1. ACCESS FLOOR PANELS

1.1 The SolidFeel (Severn) grade… raised access floor panel shall be structurally rigid linear cell assemblies, fabricated from non-combustible components and shall consist of a flat steel top sheet, resistance welded to steel bottom sections. The exterior and interior surface of the SolidFeel (Severn) access floor panel shall be protected from corrosion by coating with conductive paint. For the SolidFeel panels the core shall be filled with non-combustible cementitious compound, to support no less than 80% of the top skin or surface of the panel. For the Panel-Loc System the access floor panels shall be provided with four corrosion resistance fasteners. The fasteners shall bolt through the panel and clamp the panel to the pedestal heads. The panels shall be removable by releasing the fasteners.

2. UNDERSTRUCTURE

2.1 The understructure shall be for the Panel-Loc (Snap-Loc) (Freestanding) (Screw-Down) or (Low-Loc) system.
2.2 The understructure system shall consist of a galvanized or painted and factory assembled pedestal base and pedestal head, which shall be capable of supporting an actual load of not less than 22.2 kN for a finished floor height of ……mm
2.3 A corrosion resistant nut shall be provided which shall allow for adjustment of the pedestal assembly over a range of 60mm without rotation of the pedestal head. The nut shall be prevented from rotating using an antirotation and vibration proof feature.
2.4 For Panel-Loc Systems the pedestal head shall have 4 threaded holes to accept the panel fasteners which positively position the pedestal head with the access floor panel.
2.5 For a stringer system, the pedestal head shall be designed so as to receive snap-on or screw down stringers, which when assembled, shall provide a completely rigid assembly even when eight abutting access floor panels are removed.
2.6 Stringers shall consist of a galvanized steel channel section with a provision for a snap-on attachment to the pedestal. Each stringer shall be provided with a conductive material on the top surface.

3. FINISHES

3.1 Carpet tiles shall be 600mm x 600mm square factory bonded or (600mm x 600mm / 500mm x 500mm loose laid) on the floor panel.
3.2 High pressure laminate (HPL) of thickness ……mm, and colour …… shall be factory bonded to the surface of the access floor panel. The HPL shall be beveled at the edge or (of the integral trim design) or (protected on its edge with a PVC edge trim with mitred corners which shall be factory bonded to the edge of the panel).

PART 3 EXECUTION

1. INSPECTION

1.1 Examine structural subfloor for unevenness, irregularities and dampness that would affect the quality and execution of the work. Do not proceed with the installation until structural floor surfaces are level, clean and dry.
1.2 Concrete sealers, if used, shall be identified and proven to be compatible with pedestal adhesive and bond to slab.
1.3 Verify dimensions on contract drawings, including level of interface such as abutting floor, ledges and door sills.