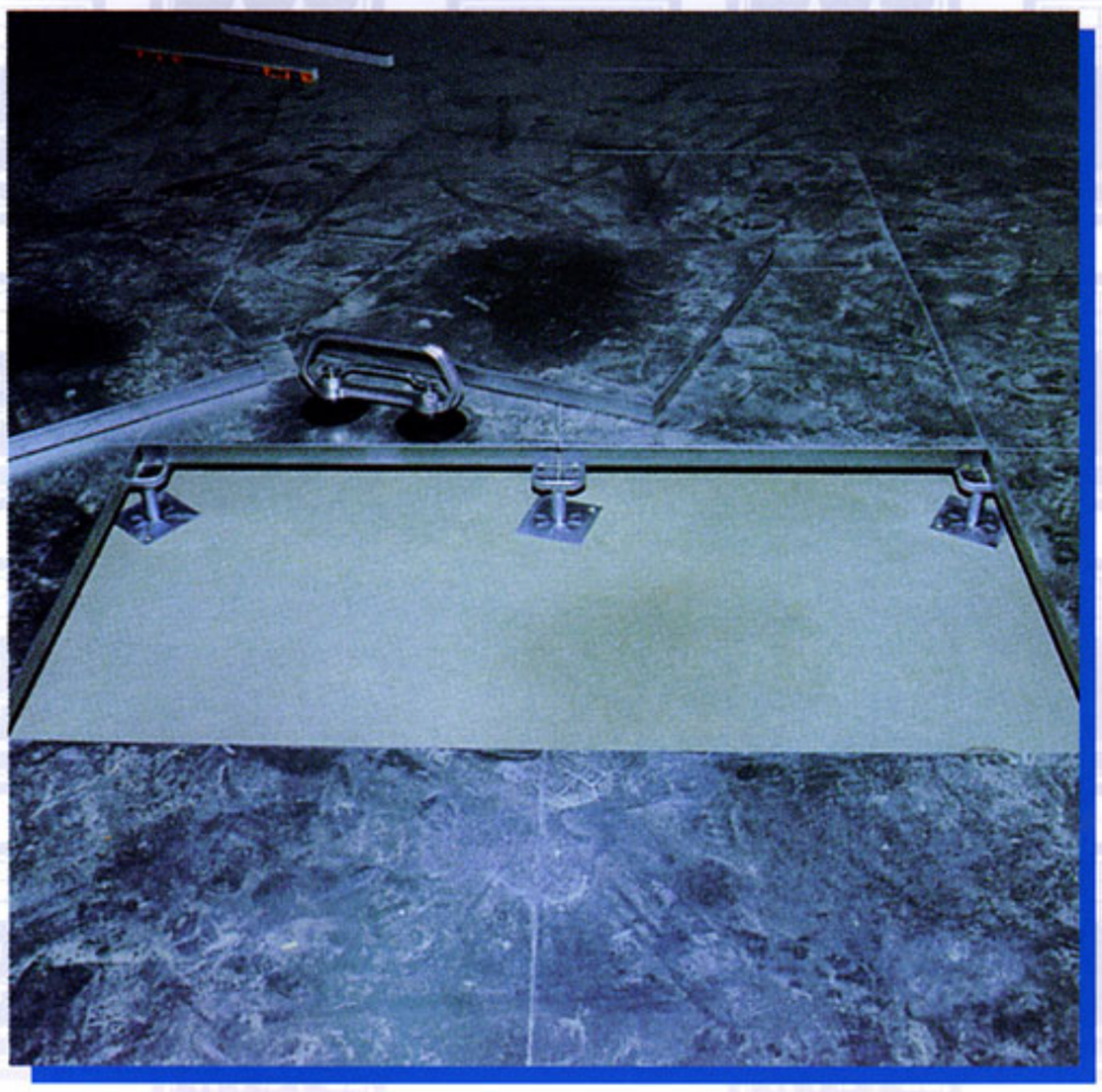
BES MK25SL GRIDLESS SYSTEM



TECHNICAL DATA IN BRIEF	
Description	**Model: BES MK25SL GRIDLESS**
Concentrated Load	3.0 kN (670 lbf)
Uniform Distributed Load	8.0 kN per M^2 (165 lb per sq ft)
Impact Load	0.40 kN (90 lbf)
Rolling Load 10000 Passes	2.7 kN (600 lbf)
Fire Protection	Class "0" BS 476 : 1968
General Construction	Woodcore 25mm cladded with galvanised steel sheet
Finish Floor Height	Min 150mm Max 300mm

BES MK25SL GRIDLESS SYSTEM
Specifications

1. THE SYSTEM IN GENERAL

1.1 The system shall be BES MK25SL Gridless System being manufactured by Building Equipment Services Sdn Bhd consisting of modular square panels and pedestal assemblies. Pedestal assemblies are carefully installed at 600mm centres to support the modular square panels equally at the corners. Bolting down the modular square panel to the pedestal assembly is not recommended.

1.2 The main components of the system shall be as follows:-
a. Modular square panel cladded with galvanised steel sheet 600mm x 600mm x 25mm nominal thick and comply to the loading requirement as specified.
b. Pedestal assemblies.

1.3 The weight of the modular square panel shall not exceed 16kg per piece and therefore shall be easily removed by one person with a lifting device. These modular square panels shall be interchangeable in all respect unless being cut for a particular position or purpose.

1.4 The pedestal assemblies shall be glued to the sub-floor with an approved fillet adhesive and carefully installed at 600mm centres.

1.5 The system when completed shall be sturdy, rigid and free of rattles, squeaks and other vibrations. The floor shall achieve to an overall flatness of within 1.5mm over any area of $5M^2$ and within 6.0 mm over any size of the enclosed space. It shall also be capable of accepting a concentrated load as specified over an area of 6.25cm square.

1.6 The Gridless System shall be constructed to a specified height with minimum 20mm plus minus vertical adjustment.

2. PANELS

2.1 The modular square panel shall be 600mm x 600mm with manufacturing tolerance within 0.5mm. All edges are sealed with hard PVC trim in grey colour and with mitred corner joints. NO PVC trim for bare finish panels.

2.2 The modular square panel shall consist of the following parts:-
a. 25mm thick structural woodcore to comply to MS1036 : 1986 TYPE III, improved moisture resistant board.
b. A die form steel trough of 20mm depth and a top flat sheet, both 0.6mm thick, bonded to the structural woodcore. For bare finish panel, the structural woodcore is encapsulated by 2 pcs of the steel trough as described.
c. Hard-tappered PVC edge trim along the sides of the woodcore.

These parts are structurally laminated together by double gluing method using approved heat resistant adhesive to be specified and used under the manufacturer's instruction.

2.3 The edges of the panel are protected with hard PVC trimmings. These trimmings are chemically bonded with approved adhesives.

2.4 The modular square panel shall be capable of discharging static electricity transversely, as specified i.e.:-
a. "anti-static" performance shall be within 1×10^8 - 2×10^{10} ohms.
b. "dissipative" performance shall be within 1×10^6 - 1×10^8 ohms.
c. "conductive" performance shall be within 0.25×10^4 - 1×10^6 ohms.
The above is not applicable for bare finish panels.

2.5 The modular square panel shall be cladded with an approved galvanised steel sheet.

2.6 Floor covering as specified shall be laminated to the panel by double gluing method using an approved adhesive system being selected by the manufacturer. Floor covering would not peel from the panel or create any formation of air cavity under normal usage or under specified environmental conditions.

3. PEDESTAL ASSEMBLY

3.1 Pedestal assembly shall consist of:-
a. pedestal head complete with self-locking device.
b. pedestal base of a specified height.

3.2 Pedestal head shall be fabricated from either steel die form plate or an ADC 12 alloy, pressured die cast aluminium, consisting M6 thread size tapped holes and a 22mm diameter shaft for vertical adjustment. A sound deadening PVC pad, forming part of the pedestal head, shall locate the modular square panel into position. It shall be self-locked into the pedestal base by forces of gravity and restraint with a M6 hexagonal bolt.

3.3 Pedestal base shall consist of a threaded M22 diameter steel tube welded to a die formed base plate of 100mm square and with minimum thickness of 3.0mm. A dimple hexagonal nut shall be used for vertical levelling.

3.4 Pedestal assembly shall be supplied in electro-zinc plated finish and during installation, the base of the pedestal shall be glued to the sub-floor with fillet adhesive. The type of fillet adhesive and its usage shall be recommended by the manufacturer. ■