

Pedestal Levelling Floor System

Technical Data Sheet

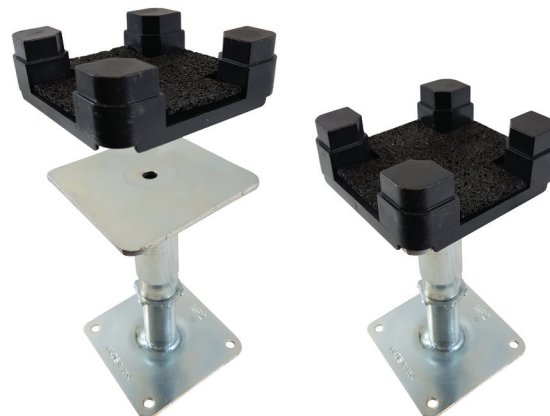
The CMS Dansk Acoustics Pedestal Levelling Floor System is a hybrid of the widely specified CMS Dansk Acoustics saddle levelling system coupled with the proven technology of Raised Access flooring systems, blending together the components to achieve deeper floor systems with acoustic properties.

In many installations, the floor provides a useful void for services, although larger items such as soil pipes or ducting could not be accommodated, as building a higher floor void meant using deeper timbers such as I joists, supported on resilient Saddles, to replace standard timber support bearers.

The main drawback is that I joists require noggins between rows to stabilise them, cutting down any available space to run such services.

CMS Dansk Acoustics have adapted a raised access floor pedestal and developed a resilient headcap to overcome the void space issue, creating an acoustic floor system capable of providing deeper voids with useful space.

Utilising the simplicity of the raised access floor pedestal, these are bonded to a clean, dry and dust free concrete substrate using a one part, solvent free adhesive.



Resilient Headcap / Adjustable Pedestal

Our steel adjustable pedestal uses a specially designed pedestal head and saddle which fit directly together and has the resilient layer within the saddle where the timber bearers will be supported.

CMS Dansk Acoustics minimum C16 support bearers are then used in the same way as for the standard saddle levelling system.

Impact Sound Reduction

BS EN ISO 717-3:2013 ΔL_w (Cld) = 19 (-10) dB on 22mm Chipboard certificate 12225 refers

PEDESTAL			SADDLE	BATTEN	
Type	Adjustment (mm)	Centres (mm)	+Resilient (mm)	Width (mm)	Heights (mm)
H5	150 - 225	600	5	45	52, 61, 70
H6	200 - 275				
H7	250 - 325				
H8	300 - 375				
H9	350 - 425				
H10	400 - 475				
H11	450 - 525				
H12	500 - 575				
H13	550 - 625				
H14	600 - 675				
H5E	185 - 260	600	5	45	52, 61, 70
H6E	235 - 310				

- Different sized pedestals are available on request.
- For high load areas support centres may need to be reduced.
- Shorter height battens are available for use on closer support centres.

INSTALLATION

Minimum C16 PEFC / FSC Support Bearers are determined by the following;

- For 600mm pedestal centers, minimum 22mm thick structural board overlays should be used.

Pedestal and Saddle assemblies are determined by the spanning strength of the support bearer and the imposed floor loads - for normal domestic dwellings, the following can be used;

- Minimum C16 52/61/70mm thick support bearers
- Max 600mm centres

(In areas of increased loading i.e. Kitchens & bathrooms, or Ceramic tile / Stone finishes these centres are reduced to 300mm max.)

Levelling of the floor system is done using the adjustable pedestal, which in most installations, have a 75mm range, enough to accommodate most, if not all, out of level substrates.

DRAFT SPECIFICATION

(please provide floor height over substrate required)

- 22mm T&G Particleboard/Plywood or 25mm/28mm/32mm/38mm Smartspan Calcium Sulphate panels
- 52mm/61mm/70mm minimum C16 PEFC/FSC support bearers @ 600mm centres
- Adjustable Steel pedestal (height tba) @ 600mm centres
- Resilient Saddle Headcap (1 per Pedestal)
- Pedestal Adhesive
- D3/D4 adhesive for timber components
- SmartPU Adhesive (for Smartspan Calcium Sulphate panels)
- Dustproofer / Concrete Sealer as required.

N.B. Please refer to separate guidance for Stone & Ceramic Tiling

Resilient Saddle Headcap & Pedestal Assembly with Smartspan calcium sulphate overlay



Park Chinois, Berkeley Square, London

Support bearer / Resilient Headcap / Adjustable Pedestal

