



Technical Data - BOK Acoustic Fitness System IP5-50G50

Nb. System design will be dependent on equipment loadings / demands and finished floor level required. Please call to discuss project requirements.

System Components

- a. 2 x Gypsum Particle Technology Board (GPT Board)
1200mm x 600mm x 25mm (50mm) - 1500kg/m³.
- b. 50mmx75mm Treated Kiln Dried Softwood Battens.
- c. 50mm x 50mm x 50mm PU pre-formed acoustic pad.
- d. Acoustic fibre glass bunting rolls 40mm
- e. Perimeter dampener strips
- f. Single Part PU Adhesive (Approx. 1 Litre per 20sqm)
- g. Final Finished Floor Height: 150.0 mm.

Acoustic performance

50mm (2 x 25mm boards) Floating Floor Mass = 75kg/m²

Floor Load = Working Load 11 KN (stamp 25x25mm) with pads at 600mm x 400mm centres, perimeter pads at 300mm

- Pad performance @ Dead Load + 1/3 Live Load = 9.9Hz
- Pad Performance @ Dead Load + Live Load = 6Hz

Live load based on 5Kn/M.

Substrates

Screeds required to be fully cured before installation. Use damp proof membrane (such as 1200-gauge polythene sheet) over ground floor slabs and new concrete bases above ground.

Pricing & Ordering

Prices are based per system pre-designed specifically on a project basis and design allows for a 5% wastage factor. We therefore need only the dimensions of the space to provide all the components required. For larger gyms, small adjoining rooms or irregular shaped areas additional materials will be required. Lead Time 4-6 weeks.

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Installation Guidance

BOK-Systems Acoustic Isolation Sub-Floor System IP5-50G50

1. Ensure all items are correct at time of delivery and store in the building of installation and allow to acclimatise for 48 hours.
2. A damp-proof membrane (DPM) is recommended on ground floor slabs and new concrete bases.
3. Undertake a level survey with laser level to establish the highest datum point of the sub floor. The system is un-adjustable and the sub floor needs to be SR1 (surface regularity 1 i.e. +/- 3mm over 2M straight edge. A levelling compound may be required if the sub floor is not adequately flat.
4. Measure the dimensions of the room and ascertain a centre point. Using this centre point, establish a North-South [NS] chalk line on the floor, following the alignment of one of the walls and taking into account the pad spacing, depending on system design in relation to loadings/performance. For example, mark out every 400mm from the centre line on a 400mm x 600mm specification.
5. Affix the perimeter dampener strips to the walls and columns using either a double-sided tape e.g. Jantac or using a high grab tackifier e.g. Styccobond F60.
6. Set out the fibre glass bunting and Isolation Pads as per project method statement and technical drawings.





Example of IP5-System set out

7. Sit battens on top of isolation pads ensuring each span is centred on the pad. These joints can be fixed with a flat plat/ nailer plate and 30mm screw.
8. Set out the GPT Boards at project required thickness / build up and adhere the Tongue and Groove joint with single part PU adhesive (contact technical services for up to date adhesive recommendations). Allow system to cure adequately before walking on installing finished flooring specification.

Finished System Level 150mm

Please note that systems are designed in relation to performance criteria and this guidance should be read in conjunction with the project method statement and technical drawings.

For further information or technical advice please contact BOK-Systems:

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