

## Technical Data Sheet

### PRODUCT DESCRIPTION

Park Bearers provide a highly effective method of reducing impact and airborne sound transmission through concrete and steel/concrete composite party floors as part of a dry floating floor construction. Dry floating floors eliminate the delays caused by the drying out of screeds and the cavity created by the bearer can accommodate services running under the floor.



### FEATURES and BENEFITS

- Approved FFT1 and FFT3 bearer in many concrete Robust Detail and Scottish Example Constructions
- Effective reduction of impact and airborne sound
- Provides void for services and underfloor heating
- Eliminates the delays caused by screeds
- Proven track record
- FSC chain of custody
- Global Warming Potential ( GWP ) of resilient layer is 0

### ACCESSORIES

- 'L' Shaped Flanking Strip
- Acoustic insulation quilt (as required)
- Flooring boards: Chipboard / Smartspan / Engineered Plywood

### PHYSICAL INFORMATION

Park Bearers comprise softwood battens 45mm wide by 2400mm long with a specially developed resilient foam strip 9mm thick adhered to the underside. The softwood timber is FSC Certified as standard.

Treated timber available upon request.

Length	Width (*1)	Height (*2)	Height Benchmark (*3)
2400mm	45mm	54mm	FFT3
2400mm	45mm	79mm	FFT1

Notes :

- \*1 - Park Bearers comply with the WPIF Code of Practice for Particle Board and OSB Floating Floors (3/2018) which specifies a minimum finished batten width of 45mm.
- \*2 - It is anticipated that the resilient layer will compress by around 2mm under a UDL of 25kg/m<sup>2</sup>.
- \*3 - This refers to the batten height category. Please also refer to the FFT performance table on the next page for appropriate use.

## TECHNICAL INFORMATION

Design Approach	Performance Requirements	Tested Performance
England & Wales Robust Detail Constructions (*1)		
E-FC-1 - Precast Concrete (min. FFT3 batten) E-FC-2 - In-situ Concrete (min. FFT3 batten) E-FC-7 - Beam and Block (min. FFT3 batten) E-FC-1 - Steel/ In-situ Concrete (min. FFT3 batten)	FFT3 Batten to be at least 45mm high (compressed) Minimum rdΔ Lw 17dB	54mm Park Bearer rdΔ Lw 24dB
Scottish Robust Detail Construction		
V-FS-1 Steel/In-situ concrete (min. FFT3 batten)	FFT3 Batten to be at least 45mm high (compressed) Minimum rdΔ Lw 17dB	54mm Park Bearer rdΔ Lw 24dB
Scottish Example Constructions		
<b>Floor type 1B</b> Insitu concrete slab with FFT <b>Floor type 2B</b> Precast concrete slab with FFT	FFT3 Batten to be at least 45mm high (compressed) Minimum Δ Lw 22dB Minimum Δ Rw 5dB	54mm Park Bearer Δ Lw 26dB, Δ Rw 8dB

Note : \*1 - In Northern Ireland the England and Wales Robust Detail constructions are accepted as an alternative to pre-completion sound testing to demonstrate compliance with Part G (NI) for new dwellings.

### OTHER PRODUCTS

CMS Danskin Acoustics also supply a Saddle System - a range of acoustic and thermally enhanced floor levelling systems suitable for a wide range of uneven subfloors. Please contact CMS Danskin Acoustics for more information.

### STORAGE and HANDLING

All components should be stored inside, under cover and in dry conditions at all times. Materials should be located in the environment in which they are to be fixed at least 24 hours prior to installation.

Do not place large quantities of material such as chipboard or plasterboard on top of laid flooring as this extreme loading can damage resilient layers

### GENERAL

Park Bearers are designed for installation on generally even subfloors. Maximum permissible deviation is 3mm under a 2m straight edge resting in contact with the floor surface.

### BEARER CENTRES

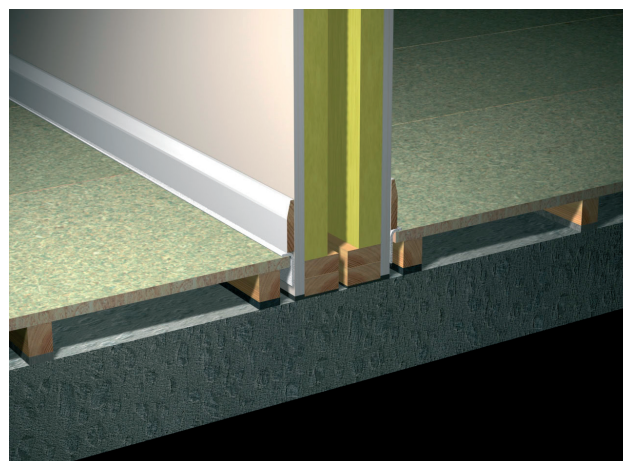
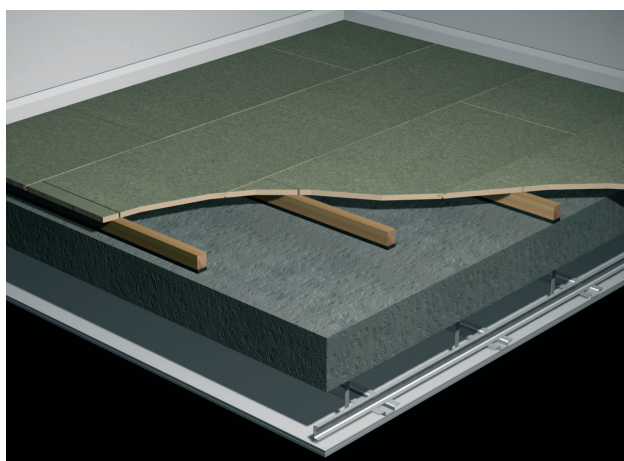
Bearer centres must not exceed 400mm for 18mm chipboard or 600mm for 22mm chipboard based on a maximum UDL of 1.5kN/m<sup>2</sup> and concentrated loads of 2kN. Bearer centres should be reduced to 300mm where heavy loads are anticipated. e.g. kitchens and bathrooms. Where anticipated loads exceed these figures please contact CMS Danskin Acoustics.

### PARTITIONS

Partitions should preferably be erected from the subfloor. Where lightweight non loadbearing partitions are built from the top of the floating floor a double row of Park Bearers should be placed beneath the partitions.

### INSTALLATION

To ensure correct installation of the floor the detailed fixing instructions must be followed carefully. Copies of these instructions should be obtained from the manufacturer.



**CMSDANSKIN**  
ACOUSTICS

T 01698 356000  
T 01925 577711  
E enquiries@cmsdanskin.co.uk  
W www.cmsdanskin.co.uk

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www.PerformanceTechnologyGroup.com

**IMPORTANT:** When installing an acoustic floor treatment in residential accommodation the overall separating floor construction is required to comply with the minimum performance requirements of the Building Regulations and with any enhanced performance required by a consultant's design or the use of Robust Details. Consequently, it will be necessary to have an appropriate combination of structural floor, ceiling treatment and floating floor treatment to meet the design criteria. It is not generally intended that any one element should satisfy the criteria in isolation. Please note that as a manufacturer of floating floor systems CMS Danskin Acoustics do not design total separating floor constructions but can provide guidance on which of our range of products may be suited to a customer's design requirements based on information provided either directly or via third parties such as project consultants or sub-contractors. CMS Danskin Acoustics accept no responsibility for the performance criteria of any separating floor construction, however, we will provide on request, where available, laboratory performance testing or indicative performance data taken from similar constructions to allow design consultants to assess compliance with the relevant standards. Directions for use are given for guidance only and are not intended to form part of any contract. No warranty or guarantee is given to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products.