

TECHNICAL DATA SHEET

Reflex Bearers

PRODUCT DESCRIPTION

CMS Danskin Acoustics have produce an innovative flooring bearer with an exceptional level of acoustic performance which contributes significantly to the reduction of impact and airborne sound through party floors.

The Reflex Bearer incorporates a unique double-density resilient fibre layer which provides a high degree of impact sound reduction. This polymer-based, man made fibre layer eliminates the need to use an acoustic quilt beneath the bearer, speeding up installation times and avoiding the handling problems associated with mineral wool.

CMS Danskin Acoustics Reflex Bearers can be used on level timber or lightweight steel joist constructions and on concrete subfloors in new build and refurbishment applications.

PHYSICAL INFORMATION

Reflex Bearers comprise softwood timber 45mm wide by 2400mm long with the unique “double density” fibre resilient layer adhered to the underside.

Standard uncompressed heights

53mm, 62mm, and 78mm

Other sizes are available upon request.

On average it is expected that the resilient layer will compress by around 4mm under normal loading.

Treated timber available upon request.

BENEFITS

- Approved FFT1 and FFT3 bearer in many Robust Detail Constructions
- Exceptional impact sound reduction in party floors
- Can eliminate wet trades
- Provides void for services and underfloor heating
- Proven durability of resilient polymer based fibre layer
- Proven acoustic performance



ACCESSORIES

- 'L' Shaped Flanking Strip
- High Load Bearers for use at room perimeters or under baths, WC's, kitchen equipment etc.

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 subfloors. Please contact your local CMS Danskin Acoustics for more information.

TECHNICAL INFORMATION

Design Approach	Performance Requirement	Laboratory Measured Performance
Example Constructions		
Scotland Technical Handbook Section 5:		
Floor Type 1B and 2B	Minimum ΔL_w 22dB and 24dB and Minimum ΔR_w 5dB on Annex 5.B concrete floor	24dB for 53mm high Reflex Bearer 5dB for 53mm high Reflex Bearer
Floor Type 3A and 3B	Minimum ΔL_w 16dB Minimum $\Delta R_w + C_{tr}$ 13dB and Minimum ΔR_w 17dB on Annex 5.B timber floor	20dB for 78mm high Reflex Bearer 16dB for 78mm high Reflex Bearer 19dB for 78mm high Reflex Bearer
Robust Detail Constructions		
E-FC-1 E-FC-2 E-FC-7 E-FS-1	Minimum rd ΔL_w 17dB on Appendix D floor	27dB for FFT 1 bearer (78 mm high) 24dB for FFT 3 bearer (53 mm high)
E-FT-1 E-FT-2 E-FT-3 E-FS-2	Minimum rd ΔL_w 15dB and Minimum rd $\Delta R_w + C_{tr}$ 13dB on Appendix C Floor	20dB for FFT 1 bearer (78mm high) 16dB for FFT 1 bearer (78mm high)
Own Design		
	Minimum Impact and Airborne site measurements	Where available, refer to Performance Data Sheets for test results on similar constructions

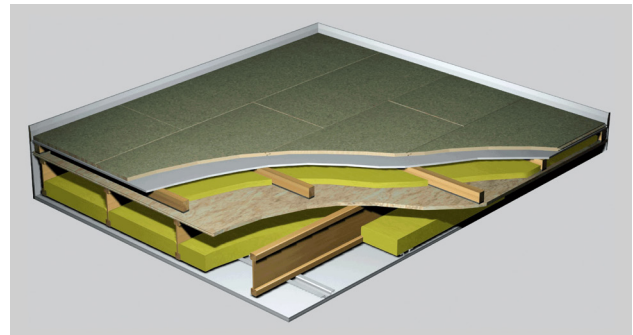
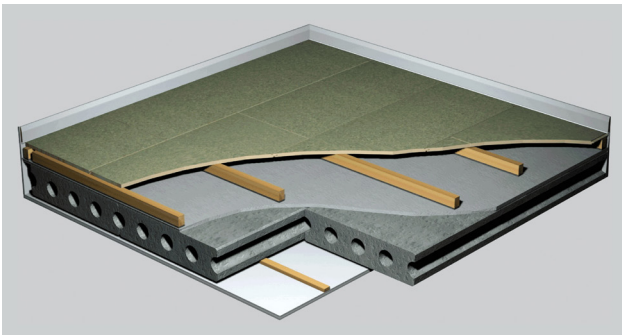
Key: ΔL_w = Impact Sound Improvement - Laboratory Test
 $\Delta R_w + C_{tr}$ = Airborne Sound Improvement - Laboratory Test

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.

INSTALLATION SERVICE

In addition to supply of this product CMS Danskin Acoustics can provide a listing of competitively-priced approved installers that service anywhere in the UK. Use of this service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting CMS Danskin Acoustics materials correctly. Please contact your local office for a list of approved and qualified installers.



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