



### DIRECT TO JOISTS SYSTEM

- New build
- Conversion
- Refurbishment
- Listed Buildings requiring minimal structural change



### DESCRIPTION

- ❑ The Floordeck 32 system is designed to replace floorboards and reduce sound transmission.
- ❑ Floordeck 32 consists of a layer of 10mm reconstituted ACF (Acoustic Chip Foam) bonded to 22mm V313 P5 moisture resistant chipboard.
- ❑ When installed as part of a complete sound reduction system, it enables a traditional timber joisted floor to meet the sound transmission regulations of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 and 2015.

### APPLICATIONS

- ❑ To be used direct to joists for conversions, refurbishments, new build or listed buildings requiring minimal structural change with a new plasterboard or existing lath and plaster ceiling.



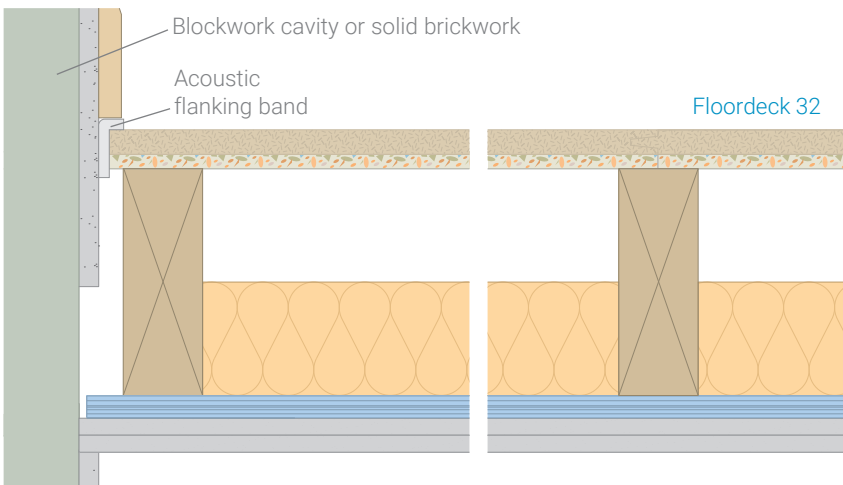
**Product data**

Overall size:	2400mm x 600mm x 32mm
Resilient layer thickness:	10mm
Resilient layer:	High density reconstituted ACF (Acoustic Chip Foam)
Weight:	22.8kg per sheet

**Typical performance expectations** (on the construction illustrated)

Treated floor with:	Airborne		Impact	
	$R_w + C_{tr}$	$D_{nT,w} + C_{tr}$	$L'_{nw}$	$L'_{nT,w}$
Floordeck 32	<b>52dB</b>	<b>46dB</b>	<b>48dB</b>	<b>55dB</b>

Site results (in red) for Building Control approval. Laboratory results (in blue) for comparison.\*



- ❑ Floordeck 32 system on 200mm x 70mm timber joists @ 450mm centres.
- ❑ 100mm 45kg/m³ insulation between joists.
- ❑ 20kg/m² double boarded 25mm o/a plasterboard on resilient bars @ 400mm centres perpendicular to joist direction.
- ❑ Acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

**OTHER PRODUCTS IN THE SRU RANGE**

- ❑ **SRU 17T, 26T & 30T:** overlay platform systems direct to floorboards to reduce transmission through timber floors in situations where finished floor height is not critical.
- ❑ **SRU 37T:** overlay platform systems direct to joists to reduce transmission and thermally enhance traditional joisted timber floors.
- ❑ **SRU 26C:** overlay platform system to reduce sound transmission and impact sound transmission through concrete floors.

Every effort has been taken in the preparation of this sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to SRU Insulation building products.

\*Laboratory results are predicted to enable a comparison

**SPECIFICATION**

The acoustic floor shall be:

- ❑ Floordeck 32, supplied by SRU Insulation. 32 Kimpton Road, Sutton, SM3 9QW and installed in accordance with manufacturer's instructions / recommendations.

**INSTALLATION**

- ❑ Apply SRU Acoustic Angled Flanking Band on the edges of the SRU boards just before they are pushed against the perimeter walls to isolate the board from the wall (as shown in the diagrams).
- ❑ Lay Floordeck 32 directly to the timber joists, in brick bond pattern, applying SRU adhesive to all tongued and grooved panel joints without the need for mechanical fixings.
- ❑ Install skirting over exposed flanking band and trim off any excess.
- ❑ Full installation instructions are available for download and must be used in conjunction when laying this floor system.

Please ask SRU for guidance when considering the weight of any new blocks which will be incorporated in a wall directly surrounding a timber separating floor.