

Monarfloor® Structure Deck on timber joists.

## Features and Benefits

- **Supports floor loadings defined in BS: 6399-1: 1996**
- **Superior performance** – the recycled Low Resonance Acoustic Chip (LRAC) foam used has excellent impact improvement characteristics and superior stability within a single layer.
- **Flame retardant** – all LRAC foam used in Monarfloor® systems is flame retardant.
- **Quality assured** – Monarfloor® products meet all current standards.



# Monarfloor® Structure Deck System

**Resilient overlay platform direct to joist floor system.**

The Monarfloor® Acoustic Structure Deck System is designed to reduce sound transmission through timber floors where the existing timber floor will be removed.

When installed as part of a complete sound reduction system it enables a timber floor to meet the sound transmission regulations of Part E.

## Construction

Monarfloor® Structure Deck consists of a 15mm layer of LRAC foam type III bonded to 22mm V313 P5 moisture resistant chipboard.

*For full details refer to our Product Information and Safety Data Sheet.*

## Product Data

<b>Board Size</b>	2400mm x 600mm
<b>Thickness</b>	37mm
<b>Board Weight</b>	27.10kg
<b>Weight/m<sup>2</sup></b>	18.81kg
<b>DnT,w</b>	57dB
<b>DnT,w + Ctr</b>	48dB
<b>L'nT,w</b>	51dB

Performance based on PCT test evidence

## Installation

See over for details.

## Monarfloor® Structure Deck System

### Installation at a glance

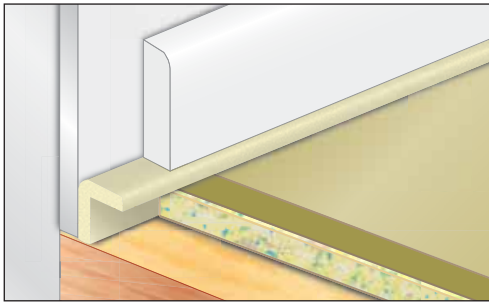
- Flank all perimeter with Monarfloor® Flanking Band.
- Lay Monarfloor® Structure Deck directly over the floor joists in a broken bond pattern with all joints supported and glued.
- Install skirting and trim off excess Flanking Band.

Note: Guidance should be sought if you are in any doubt as to the quality or density of the surrounding structural elements

For full details including advice on services and penetrations refer to our Monarfloor® Structure Deck System Installation Sheet or visit our website: [www.monarfloor.co.uk](http://www.monarfloor.co.uk)

### Related Products

- **Monarfloor® Flanking Band** – reduces impact vibration transmission via party and flanking walls and assists in reducing airborne sound paths.



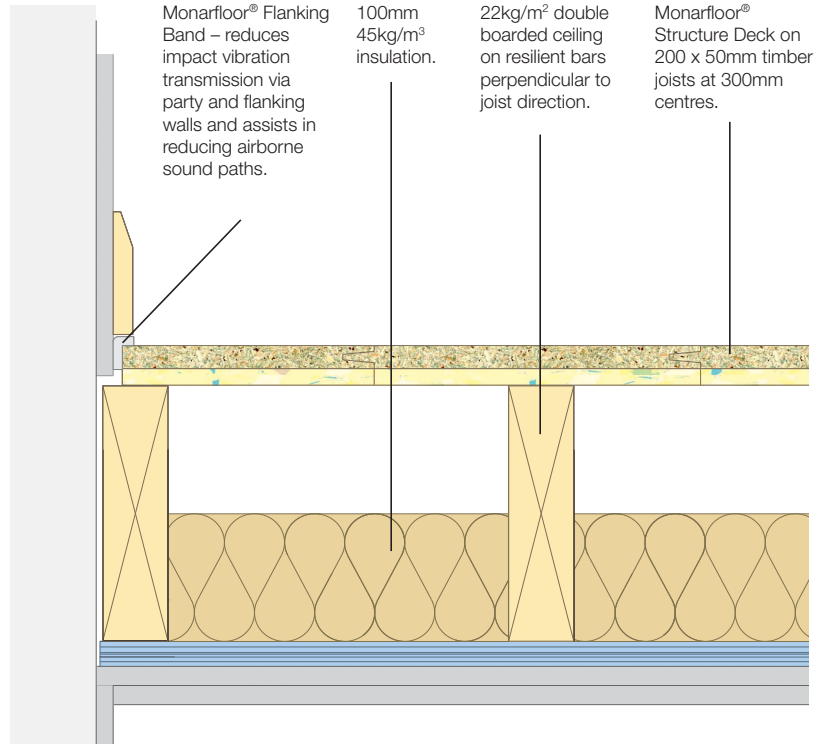
For full details refer to our Monarfloor® Flanking Band Data Sheet.

- **Monarfloor® Adhesive**

For full details refer to our Monarfloor® Adhesive Data Sheet.

#### Icopal Limited

Barton Dock Road, Stretford, Manchester M32 0YL  
Telephone: 0161 866 6540  
Fax: 0161 866 6527  
Email: [acoustics.uk@icopal.com](mailto:acoustics.uk@icopal.com)



**Monarfloor® Structure Deck on timber joists with a resilient bar ceiling.**

### Technical Support

Monarfloor® Acoustic Systems offers FREE technical advice and assistance on all aspects of acoustic systems.

We can also undertake site visits to provide contractors with advice and assistance at every stage of a project from concept to completion.

NOTE: This information is given in good faith being based on the latest knowledge known to Monarfloor® Acoustic Systems. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume; based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard terms and conditions of sale, a copy of which is available on request.