

CI/SFB	March 2017
Uniclass	
Issue 01	

# Monarfloor Deck 18 System

## Sound Protection

### Resilient overlay platform floor system.

Monarfloor Deck 18 is an overlay system designed to reduce sound transmission through existing timber floors where the timber deck remains.

Monarfloor Deck 18 may be used over 18mm chipboard, OSB board or a decking ply sub floor.

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

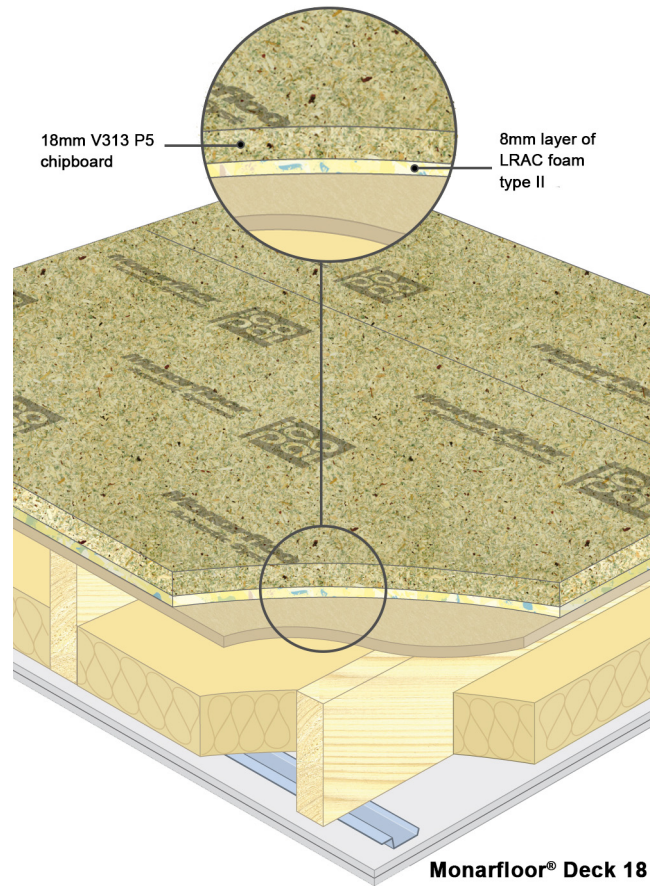
### Features and Benefits

- **Supports floor loadings as defined in BS EN 1991-1-1:2002 +A1 2010 (Eurocode 1) which stipulates floor loading of 2 kN.**
- **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.

### Construction

Monarfloor Deck 18 is a composite tongue and groove flooring system consisting of an 8mm layer of LRAC foam bonded with a high performance water based adhesive to 18mm V313 P5 chipboard.

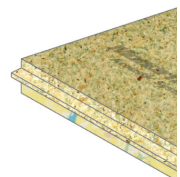
*For full details refer to our Product Information and Safety Data Sheet.*



### Product Data

<b>Board Size</b>	2400mm x 600mm
<b>Thickness</b>	26mm
<b>Board weight</b>	22.20kg (nominal)
<b>Weight/m2</b>	15.41kg (nominal)
<b>DnT,w</b>	58dB
<b>DnT,w + Ctr</b>	49dB
<b>L'nT,w</b>	49dB

Mean performance based on PCT test evidence



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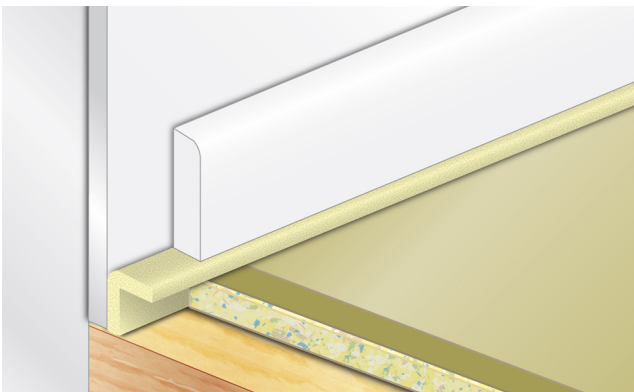
### Installation

- Flank all perimeter with Monarfloor Flanking Band.
- Level the sub-floor to the required tolerance.
- Lay Monarfloor® Deck 18 over existing floor in a broken bond pattern, applying Monarfloor Adhesive to all tongue and groove panel joints.
- Install skirting and trim off excess Flanking Band.

For full details including advice on services and penetrations refer to our Deck 18 Installation Sheet or visit our website: [www.monarfloor.co.uk](http://www.monarfloor.co.uk)

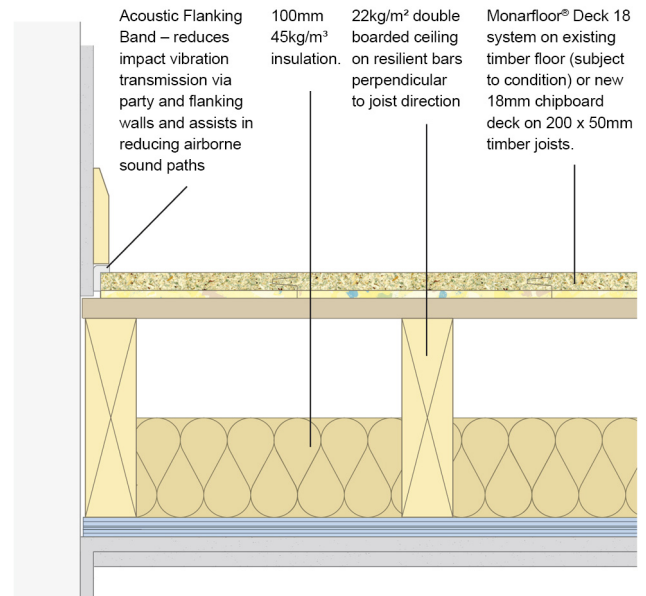
### Related Products

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

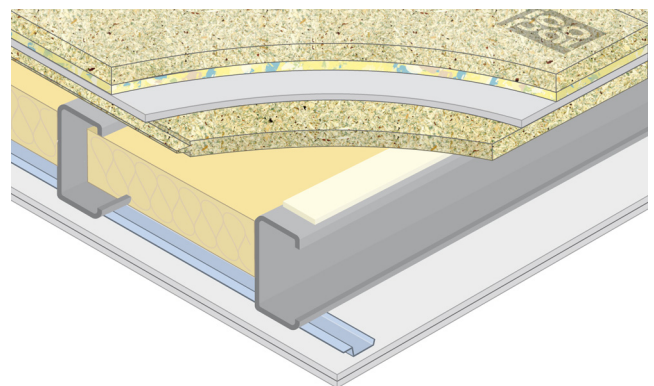


For full details refer to our Monarfloor Flanking Band Data Sheet.

- **Monarfloor Adhesive**  
For full details refer to our Monarfloor Adhesive Data Sheet



**Monarfloor® Deck 18 platform floor / floating floor system on a timber sub-floor with a resilient bar system**



**Monarfloor® Deck 18 on a timber sub-floor supported by steel joists.**

### 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.



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