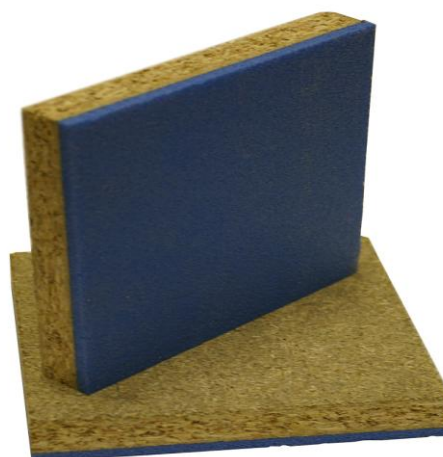


# CMSDANSKIN

## ACOUSTICS

Refurbishment Division



### Karma Overlay 23

Karma Overlay 23 is a high performance acoustic floor panel with an exceptional performance to height ratio. Comprising an 18mm tongued and grooved 18mm P5 chipboard bonded to a 5mm cross linked polyolefin foam resilient layer. Karma Overlay 23 provides excellent impact and airborne sound insulation in a single product. It is used on an existing floor, new ply or chipboard floor or directly to concrete/screed floors making it an ideal product for refurbishment and new build projects.

### Benefits

- Excellent impact and airborne sound performance for 23mm thickness.
- Can be used with any floor finish.
- Non load bearing partitions can be built off the finished floor surface.
- Can be used on existing subfloors or concrete/screed floors.
- Fire rating of top layer – Class 0 surface spread of flame to BS 476

### Typical Applications

- Refurbishment and new build projects.
- Economical system with very good performance for concrete or timber floors.
- When height restrictions exist but reliable performance is still required.

### Physical Dimensions

Panel Size 2400 x 600 x 23mm  
Panel Coverage 2400 x 600mm  
Weight 19kg  
Edge Detail T&G

### Packaging

Pallet Size 2400 x 1200mm  
Contents / pallet 80 boards (36m<sup>2</sup>)  
Pallet Packaging Shrink PE cover

### Acoustic Performance

Approved Document E Requirement ( England and Wales )	Impact Sound L <sub>nT,w</sub>	Airborne Sound Dn <sub>T,w</sub> + C <sub>tr</sub>
Conversions New Build	≤ 64dB ≤ 62dB	≥ 43dB ≥ 45dB
Section 5 2010 Requirement ( Scotland )	Impact Sound L <sub>nT,w</sub>	Airborne Sound Dn <sub>T,w</sub>
Conversions - built post 1919	≤ 56 dB	≥ 56 dB
Conversions- traditional (pre 1919)	≤ 58 dB	≥ 53 dB
New Build	≤ 56 dB	≥ 56 dB
Karma Masspanel ( Site tested by independent UKAS accredited acoustic consultant )	Impact Sound L <sub>nT,w</sub>	Airborne Sound Dn <sub>T,w</sub> ( + C <sub>tr</sub> )
Laid on 18mm OSB deck , on 235mm I joists with 100mm quilt between joists ; RB565 resilient bar and two layers of 15mm acoustic plasterboard.	58 dB	58 ( -6 ) dB

## Karma Overlay 23 Installation Instructions

### Preparation

#### Storage

All components should be kept inside, under cover and in dry conditions at all times. Panels should be stacked flat on a level surface. Materials should be located into the environment in which they are to be fixed at least 24 hours prior to fixing.

#### Subfloor Tolerances

The subfloor evenness tolerances must not exceed +/- 2mm per 2 metre run. The base floor must also be clean and completely dried out. The floor should be clear of pipes and other obstacles.

#### Partitions

Lightweight non load bearing partitions can be supported on top of Karma Overlay 23 boards.

#### Moisture

### Installation Procedure

- 1) Place Karma 5mm thick x 100mm wide flanking strip between Karma Overlay 23 and perimeter walls and existing door frames during installation. This will reduce flanking sound transmission.
- 2) Lay Karma Overlay 23 with the grooved edges or cut edges facing the perimeter walls. Use the off cut from the final panel in the first row to commence the next row. Do not start a row with an off cut less than 250mm long. Lay panels in a brick bonded fashion.

On concrete subfloors a vapour barrier ( minimum 1000 gauge ) should be laid below the Karma Overlay 23.

#### Expansion Provision

Expansion provision should be calculated at a rate of 2mm per metre run. This may be provided in a gap perimeter walls but intermediate expansion joints may be needed on long runs of flooring.

#### Tiling

The top surface of Overlay 23 should be primed before tiling. Ensure that a flexible tile adhesive and flexible grout compatible with the P5 chipboard top surface are used to accommodate the movement of the substrate.

- 3 While laying boards apply a liberal amount of Karma PU adhesive to the grooves of the T&G joint and tightly butt the boards together. Wipe off excess adhesive with a damp cloth. Avoid walking on the boards until the adhesive has dried.

