LOW-PROFILE ACOUSTIC OVERLAY PANEL

ECO CHIP 23



Big impact reduction. Just 23 mm. 18 mm P5 chipboard bonded to a 5 mm recycled polyester fibre resilient layer. Laid over timber or concrete sub-decks on separating floors, before the final floor covering, to help meet Part E. Ideal for refurbishment.

23 mm	20 dB	1.44 m²	12.7 kg/m²
TOTAL THICKNESS	IMPACT IMPROVEMENT ΔLW*	PANEL · 2400 × 600 MM	PANEL WEIGHT

USES

SEPARATING FLOORS
Overlay for timber and concrete separating floors in flats and conversions, to help compliance with Part E.

REFURBISHMENT
Only 23 mm thick, so minimal change to floor heights, door thresholds and stairs.

ANY FLOOR FINISH
Ceramic tiles, timber flooring, carpet or vinyl go straight on top.

SYSTEM COMPONENTS

1. **Acoustica ECO CHIP 23**
   18 mm P5 T&G chipboard bonded to a 5 mm polyester fibre resilient layer
2. **Acoustica Flanking Strip**
   Isolates the floor from the walls around the perimeter

KEY BENEFITS

IMPACT SOUND
Polyester resilient layer gives excellent impact reduction

TONGUE & GROOVE
Quick, easy installation with T&G edges

LOW PROFILE
Just 23 mm, with little impact on floor height

RECYCLED FIBRE
Resilient layer made from recycled polyester

*Impact improvement measured on an in-situ concrete floor; see typical constructions.

PERFORMANCE & SPECIFICATION

SPECIFICATION

Panel	**18 mm P5 T&G chipboard bonded to 5 mm recycled polyester fibre resilient layer**
Panel size	**2400 mm (L) × 600 mm (W) × 23 mm (H)**
Panel area · weight	**1.44 m² per panel · 18.3 kg per panel (12.7 kg/m²)**
Panels per pallet	**70 panels (100.8 m²)**
Pallet size · weight	**2400 × 1200 × 930 mm · 1330 kg**
Suitable sub-decks	**In-situ concrete, pre-cast concrete, block & beam, profiled metal deck, timber and metal web joisted floors**

ROBUST DETAIL COMPLIANT E-FC-1 (FFT 5) | E-FC-2 (FFT 5) | E-FS-1 (FFT 5)

TYPICAL CONSTRUCTIONS

Concrete in-situ floor — CIS



1. Ceramic tiles / timber flooring / carpet / vinyl
2. **Acoustica ECO CHIP 23**
3. **Acoustica Flanking Strip (perimeter)**
4. Levelling compound to SR2 flatness
5. 200 mm reinforced in-situ concrete slab
6. MF ceiling (min. 100 mm void)
7. 1 × 9.5 mm acoustic plasterboard

TYPICAL PERFORMANCE*

51 dB	51 dB	20 dB
Airborne DnT,w+Ctr	Impact L' nT,w	Improvement ΔLw

Solid timber joisted floor — STJ



1. Ceramic tiles / timber flooring / carpet / vinyl
2. **Acoustica ECO CHIP 23**
3. **Acoustica Flanking Strip (perimeter)**
4. 18 mm (min.) timber subfloor
5. 200 mm (min.) timber joists
6. 50 mm acoustic mineral wool
7. Resilient bars
8. 2 × 15 mm acoustic plasterboard

TYPICAL PERFORMANCE*

49 dB	57 dB	PART E ✓
Airborne DnT,w+Ctr	Impact L' nT,w	Beats 45 / 62 dB

TYPICAL CONSTRUCTIONS & INSTALLATION

Profiled metal deck floor

MD



1. Ceramic tiles / timber flooring / carpet / vinyl (on adhesive or decoupling layer)
2. **Acoustica ECO CHIP 23**
3. **Acoustica Flanking Strip (perimeter)**
4. Levelling compound to SR2 flatness
5. 130 mm concrete on profiled metal deck
6. MF ceiling (min. 100 mm void)
7. 1 × 9.5 mm acoustic plasterboard

TYPICAL PERFORMANCE*

51 dB	50 dB	PART E ✓
Airborne DnT,w+Ctr	Impact L' nT,w	Beats 45 / 62 dB

INSTALLATION

1. Prepare the sub-deck: level concrete floors to SR2 flatness; timber subfloors must be sound and securely fixed.
2. Fit the Acoustica Flanking Strip around the room perimeter so the floor never touches the walls.
3. Loose-lay the panels resilient side down, staggering the joints, and glue all tongue & groove joints.
4. Don't screw or nail through the panels into the sub-deck, as this bridges the resilient layer.
5. Trim the flanking strip after the floor finish and skirting are fitted, keeping the skirting clear of the floor.

IMPORTANT

*Typical performance figures are from the manufacturer's test data and are indicative only. Site results depend on the whole construction, flanking and workmanship; pre-completion testing is required under Approved Document E. If in any doubt that a construction will meet the Building Regulations, contact us.

NEED TECHNICAL ADVICE?

Our technical team can help with specification and installation.

07818 542495

www.acousticasoundproofing.co.uk

SCAN TO VISIT

Disclaimer

The product and installation information in this data sheet is, to the best of our knowledge, correct. Please contact us before starting works for the latest information and confirmation of the specification.