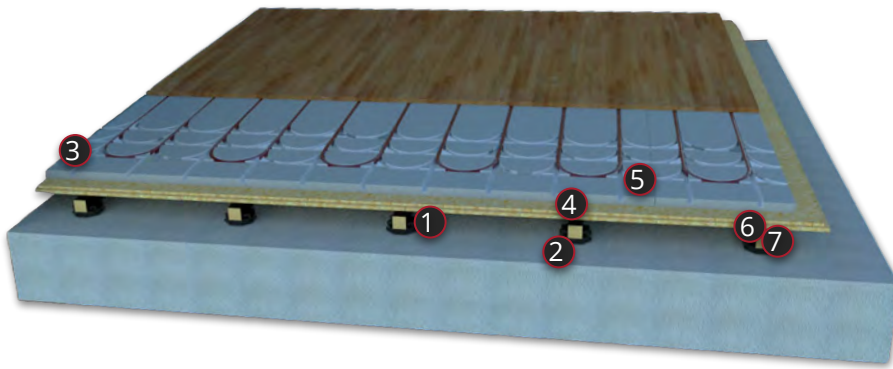


Description

Soundis Acoustic Cradle & Batten System is a timber batten support system and a levelling system for uneven subfloors, it is designed for reducing Impact and Airborne Sound Transmission.

The system can be used in new build or refurbishment, including the possibility of combining it with underfloor heating systems.

Meet the requirements of the Building Regulations, Approved Document E 2003. The system includes an injection moulded plastic cradle with a Recycled Rubber/Foam resilient pad, also including levelling packers. The product is also in compliance with the Robust Detail.



Visualisation Build Up includes:

1. Soundis Cradle
2. Soundis Resilient Pad
3. L Shaped Flanking Strip
4. Batten
5. Flooring
6. Soundis Packer
7. Soundis Elevating Block

Designers Considerations

When using in conjunction with UFH use Soundis ScreedPanel Ultra to promote heat transfer. Consideration should be given the floor loadings, the thickness of flooring along with the centres of the cradles. Typical centres shown below and based on 1.5KN/m² and 1.4KN of point loading. In areas of exceptional high loads reduce the batten centres to 300mm, this can increase the loadings of 22mm chipboard to 4.5KN/m²

Flooring Thickness	Batten Centres	Cradle Centres
18mm	400mm	600mm
22mm	600mm	600mm

The maximum loading with this system in all cases is 7.5KN when using thicker chipboard or special cementitious flooring. Technical advice should be sought for all high load floors

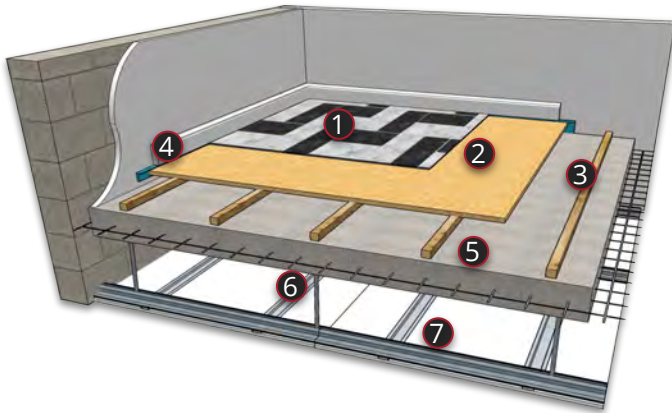
When laid to a concrete slab or screed the dryness should be below 75% RH#

Key Benefits

	Robust detail FFT2 E-FC-1, E-FS-1, E-FC-2 and E-FC-7.
	Low build-up from 50mm
	Supplied in 1800mm or 2400mm lengths to ensure stability and tolerance
	Void for services, UFH & insulation

Typical Acoustic Performances

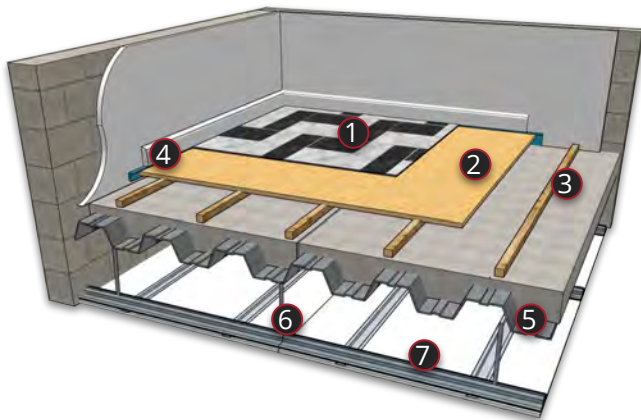
Manufactured By Soundis



Concrete Insitu Floor

1. Laminate Tiles
2. 18mm OSB / Chipboard
3. Acoustic Batten 50
4. L Shaped Flanking Strip
5. 200mm Reinforced insitu concrete slab
6. MF Ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

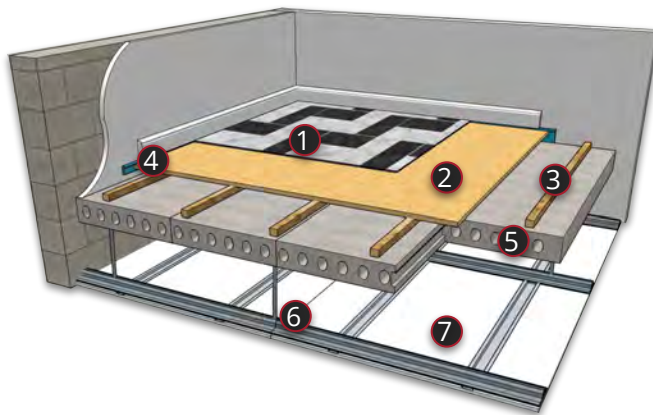
DnT,w + Ctr
53dB
LnT,W
46dB
ΔLw
24dB



Profiled Metal Deck

1. Laminate Tiles
2. 18mm OSB / Chipboard
3. Acoustic Cradle & Batten 50
4. L Shaped Flanking Strip
5. 130mm concrete on profiled metal deck
6. MF ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

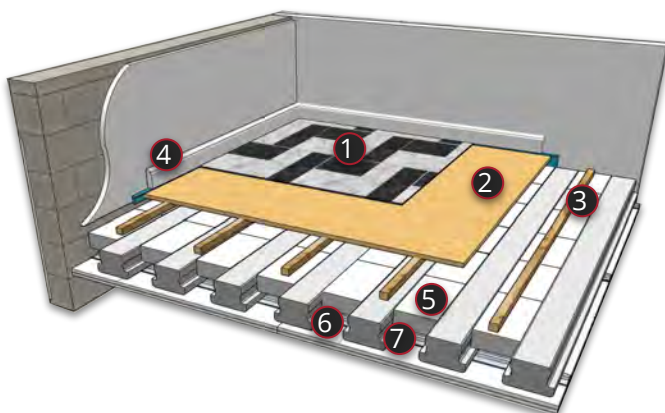
DnT,w + Ctr
53dB
LnT,W
50dB
ΔLw
24dB



Pre-Cast Concrete Plank Floor

1. Laminate Tiles
2. 18mm OSB / Chipboard
3. Acoustic Cradle & Batten 50
4. L Shaped Flanking Strip
5. 150mm Reinforced insitu Concrete Slab
6. MF Ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

DnT,w + Ctr
51dB
LnT,W
50dB
ΔLw
24dB



Beam & Block Floor

1. Laminate Tiles
2. 18mm OSB / Chipboard
3. Acoustic Cradle & Batten 50
4. L Shaped Flanking Strip
5. Beam & Block min 100mm thick
6. MF ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

DnT,w + Ctr
51dB
LnT,W
53dB
ΔLw
24dB