

## InstaFloor Product Range

### ACOUSTIC PERFORMANCE

#### Measured Improvement of Impact Sound ( $\Delta L_w$ ) & Impact Insulation Class (IIC)

**Tested In accordance with**  
**BS EN ISO 10140-3: 2010, BS EN ISO 717-2: 2013,**  
**ASTM - E492-09, E989-06 & E2179-03**

<u>Product</u>	<u>Acoustic Performance (<math>\Delta L_w</math> &amp; IIC)</u>
InstaLay 25	17 dB / IIC 49
InstaLay 30	23 dB / IIC 55
InstaLay 50	26 dB / IIC 58
Wood (14mm Click) on InstaLay 30	18 dB
Bamboo (10mm) on InstaLay 30 (with drop ceiling)	IIC 60
Bamboo (10mm) on InstaLay 30	IIC 51
LVT (2.5mm) on InstaLay 25	18 dB / IIC 50
LVT (2.0mm) on InstaLay 25	17 dB / IIC 49
LVT (3.0mm) on InstaLay 30 (with drop ceiling)	IIC 63
LVT (2.0mm) on InstaLay 30 (with drop ceiling)	IIC 60
Bolon Woven Vinyl on InstaLay 30	21 dB / IIC 53
Bolon Woven Vinyl on InstaLay 25	18 dB / IIC 50
Vinyl (2.25mm) on InstaLay 30	22 dB
Carpet (Cottage Weave) on InstaLay 30	30 dB
Carpet (Cottage Weave) on InstaLay 50	36 dB
Carpet (Axminster) on InstaLay 30	40 dB
Carpet (Axminster) on InstaLay 50	41 dB
Carpet Tile (bitumen backed)	19 dB
Carpet Tile (bitumen backed) on InstaLay 30	29 dB
Carpet Tile (plain backed)	22 dB
Carpet Tile (plain backed) on InstaLay 30	29 dB
Ceramic Tiles (10mm) on InstaLay 30c	19 dB
Ceramic Tiles (10mm) on InstaLay 25	19 dB / IIC 51

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<b><u>Product</u></b>	<b><u>Acoustic Performance (<math>\Delta L_w</math> &amp; IIC)</u></b>
InstaCradle (10mm base cradle)	28 dB / IIC 54
InstaCradle (20mm base cradle)	28 dB / IIC 54
InstaSport – Low Profile System & Sport M Plus	19 dB

**Please Note:**

- The bare concrete slab for the acoustic testing is 3.7m (12' 2") by 3.5m (11' 6") and 160mm (6 ¼") thick.
- There is no drop ceiling installed below the concrete slab.
- The product being tested is installed directly on top of the bare concrete slab and the impact sound pressure level measured through the bare concrete slab to the reverberation room below.
- The reduction in impact sound pressure level (improvement of impact sound isolation) is then recorded.