



IndiNature®

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IndiSilence®

Acoustic partition roll (APR) & slab insulation from bio-based & recycled natural fibres for quiet, low carbon internal partition walls & floors.

- IndiSilence® is designed for fitting with a metal frame or friction fit between timber frame internal partition walls, with excellent rigidity to resist slumping.
- Achieving better than Part E acoustic building regulations with minimal material, occupants will enjoy the silence.
- Soft to touch for installers.
- Occupants benefit from comfortable indoor air quality – natural fibres keep temperatures and humidities nice and even.
- Internal partition wall insulation – available now.
- Internal partition floor insulation – coming soon!

Storage

Product must be kept dry during storage and delivery. Pallets must not be stacked.

Acoustic Partition Rolls Metal Frame formats*

Dimensions (mm)	Thicknesses (mm)
600 x 10,000	25mm
600 x 5,000	50mm

*Other sizes may be available on request.

Technical data – Acoustic Partition Rolls

Bulk Density ρ	25 kg/m ³
Vapour Diffusion Resistance μ	1.3
Sound Reduction	40-42 dB
Reaction to Fire	Euroclass E



MADE IN BRITAIN®

Acoustic Slab Timber Frame formats*

Dimensions (mm)	Thicknesses (mm)
600 x 1,200	50mm
570 x 1,200	50, 80mm

*Other sizes may be available on request.

Technical data – Acoustic Slabs

Bulk Density ρ	30 kg/m ³
Vapour Diffusion Resistance μ	1.3
Sound Reduction	42-51 dB
Reaction to Fire	Euroclass E

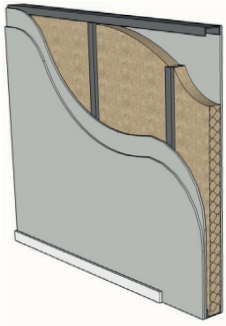
Industrial Nature UK Ltd IndiNature Mill, Oxnam Rd, Jedburgh, Scottish Borders, TD8 6NN. Company No. SC655203. sales.uk@indinature.co / 01835 867 070
Available from natural fibre insulation distributors: www.indinature.co
INUK5SMD_005_2409_IndiSilence_DataSheet. Details subject to change.



IndiSilence®
ACOUSTIC PARTITION ROLL
IndiSilence®
ACOUSTIC INSULATION SLAB



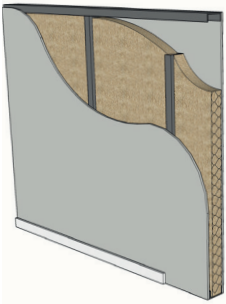
IndiSilence – Acoustic Partition Rolls & Acoustic Insulation Slabs Internal Partition Walls



Metal Frame – Double Plasterboard

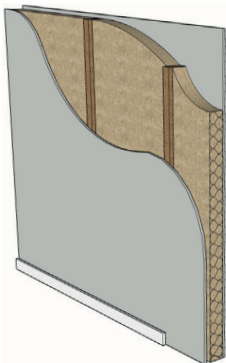
Stud Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Dimensions	Sound Reduction	UKAS Lab Certificate
50mm Metal C Stud	600mm	2 x 12.5 mm standard gyproc wallboard	IndiSilence – Acoustic Partition Roll	25mm (600mm x 10metre)	48dB (Rw)	17353
50mm Metal C Stud	600mm	2 x 12.5mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm (600mm x 1200mm)	51dB (Rw)	17354

Metal Frame – Single Plasterboard



Stud Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Dimensions	Sound Reduction	UKAS Lab Certificate
50mm Metal C Stud	600mm	12.5 mm standard gyproc wallboard	IndiSilence – Acoustic Partition Roll	25mm (600mm x 10metre)	40dB (Rw)	17351
50mm Metal C Stud	600mm	12.5mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Roll	50mm (600mm x 5metre)	42dB (Rw)	17352
50mm Metal C Stud	600mm	12.5mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm (600mm x 1200mm)	44dB (Rw)	17347

Timber Frame – Single Plasterboard

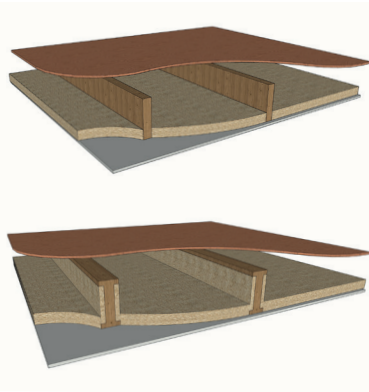


Stud Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Dimensions	Sound Reduction	UKAS Lab Certificate
89 x 38mm timber	600mm	12.5 mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm (570mm x 1200mm)	42dB (Rw)	17362
89 x 38mm timber	600mm	12.5mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	80mm (570mm x 1200mm)	45dB (Rw)	17363
89 x 38mm timber	600mm	15mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm (570mm x 1200mm)	44dB (Rw)	17361
89 x 38mm timber	600mm	15mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	80mm (570mm x 1200mm)	46dB (Rw)	17358



IndiSilence – Acoustic Partition Rolls & Acoustic Insulation Slabs

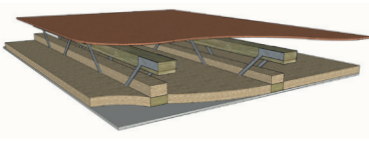
Floor build-ups



Solid Timber Joists & i-joists

Joist Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Thickness	Sound Reduction	UKAS Lab Certificate
Solid: 195mm x 44mm i-joist: 220mm x 90mm flange / 10mm web	450mm	15 mm standard gyproc wallboard	IndiSilence – Acoustic Partition Roll	50mm	42dB (Rw)	17991
Solid 195mm x 44mm i-joist: 220mm x 90mm flange / 10mm web	450mm	15mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm	42dB (Rw)	17990

Acoustic results for solid timber joists can be used for i-joist floors, as the results would be the same or better based on the structure of the engineered timber and meet building regulations.



Posi-joists

Joist Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Thickness	Sound Reduction	UKAS Lab Certificate
Posi-joist: 225mm x 97mm	600mm	15mm standard gyproc wallboard	IndiSilence – Acoustic Partition Roll	50mm	47dB (Rw)	17997
Posi-joist: 225mm x 97mm	600mm	15mm standard gyproc wallboard	IndiSilence – Acoustic Insulation Slab	50mm	46dB (Rw)	17994