IndiNature®

www.indinature.co
sales.uk@indinature.co

IndiSilence

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



Storage

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

Acoustic partition rolls - metal frame

Available formats*

Dimensions (mm)	Thicknesses (mm)
600 x 10,000	25
600 x 5000	50

*Other sizes may be available on request.

Technical data

Bulk density ρ	25 kg/m³
Vapour diffusion resistance μ	1.3
Sound reduction	40-42dB
Reaction to fire	E

Acoustic slab - timber frame

Available formats*

Dimensions (mm)	Thicknesses (mm)
600 x 1200	50
570 x 1200	50, 80

*Other sizes may be available on request.

Technical data

Bulk density ρ	30 kg/m³
Vapour diffusion resistance μ	1.3
Sound reduction	42-51bB
Reaction to fire	E

Industrial Nature UK Ltd, Company number: SC655203. IndiNature Mill, Oxnam Rd, Jedburgh, Scottish Borders, TD8 6NN
INUK5SMD_006_2602_IndiSilence_datasheet. Details subject to change.

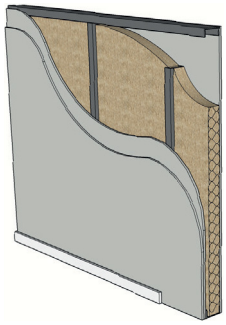
MADE IN BRITAIN®

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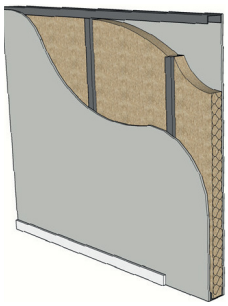
IndiSilence – Acoustic partition rolls and acoustic insulation slabs

Internal partition walls



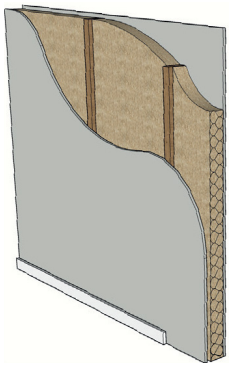
Metal frame – Double plasterboard

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 Dimen-sions	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



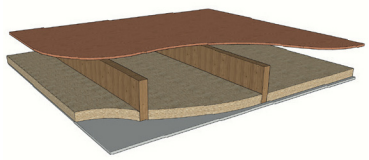
Timber frame – Single plasterboard

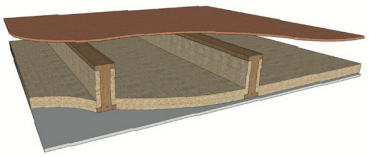
Stud Size	Stud Spacing	Plasterboard	IndiNature Insulation	Insulation Dimensions	Sound Reduction	UKAS Lab Certificate
89 x 38mm timber	600mm	12.5 mm standard gyproc wallboard	**IndiSilence – Acoustic Insulation Slab**	**50mm** (570mm x 1200mm)	42dB (Rw)	17362
89 x 38mm timber	600mm	12.5mm standard gyproc 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

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IndiSilence – Acoustic partition rolls and acoustic insulation slabs

Floor build-ups

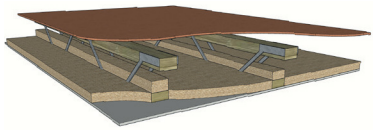




Solid timber joists and i-joists

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