

ISOCELL

# Vibradyn 6

Easy dimensioning.

Efficiently decoupling structure-borne noise.

Engagement that inspires.

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Vibradyn is a high-quality, closed-cell elastomer made from special polyether urethane, which is characterised by its durable and resilient properties. The product is installed in timber construction in the form of strips between wall and ceiling elements to prevent structure-borne sound transmission. Thanks to its integrated self-adhesive backing, Vibradyn 6 can be easily fixed during the construction phase – without

any additional fastening materials. Its ease of use is also supported by the standard length of the strips, which is one metre. The initial thickness is 6.25 mm. Once installed, the pressure results in a thickness of around 5.5 mm. The appropriate bearing type can be easily determined using the design loads in the tables provided. The five product types generally cover the requirements of buildings up to three storeys high.

Vibradyn Type		Available widths in millimetres			
S75	For very low loads such as non-load-bearing partition walls and wide walls with low load per meter	80	100	120	140
S150	Low loads on relatively wide walls	80	100	120	140
S350	Average loads in timber construction	80	100	120	140
S750	Heavy loads	80	100	120	140
S1500	For very high loads, especially under the support of high point loads	80	100	120	140

Delivery widths: 80 mm | 100 mm | 120 mm and 140 mm

For wide walls, strips are also arranged in pairs. In this case, only assume half the design load in the diagram.

**Design example:**

6 tonnes per metre on an 80 mm wide wall (design load)

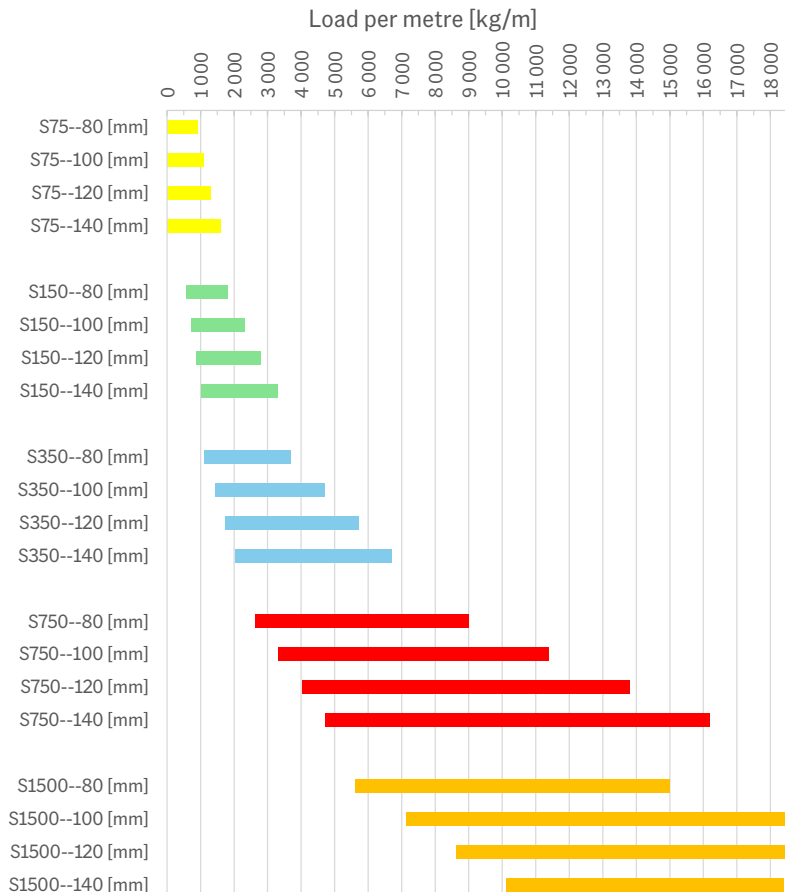
→ Product S750 or S1500 possible. The former is closer to the middle of the design range and would therefore be recommended.

**Design example for wide wall:**

9 tonnes per metre on a 20 cm wide wall:

→ results in 4.5 tonnes per 10 cm strip

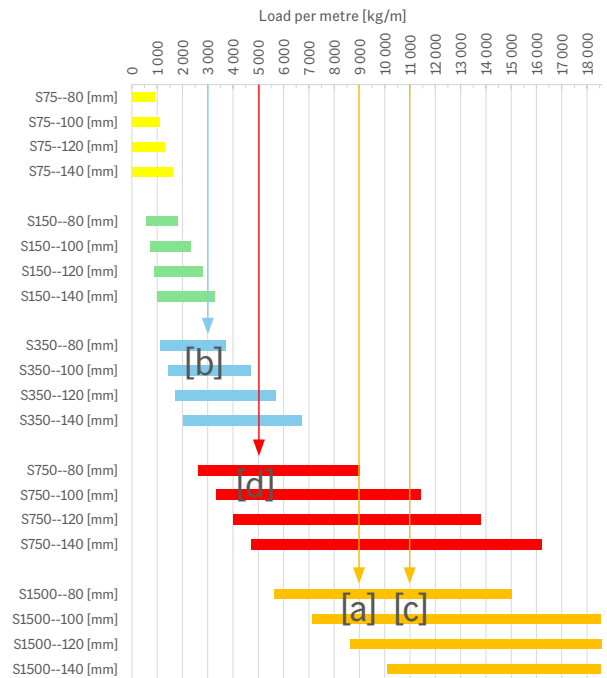
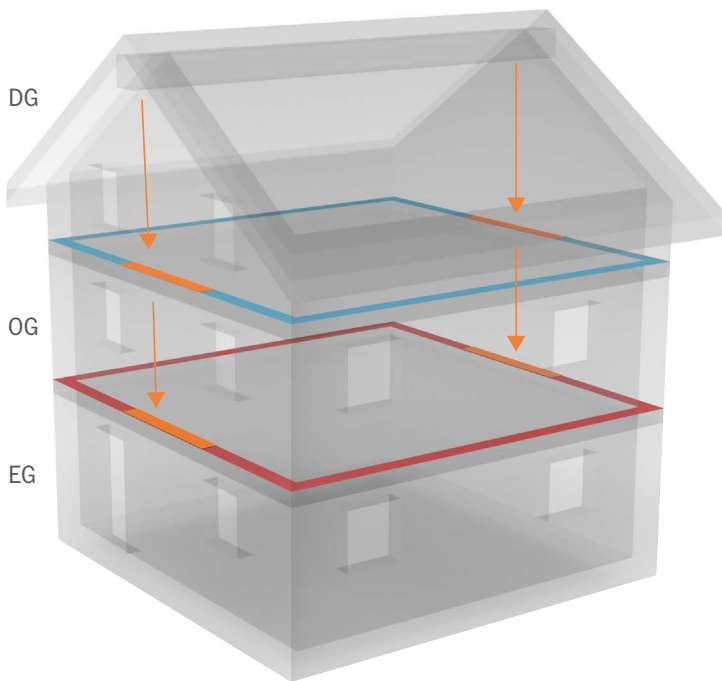
→ Product S350 and S750 in 10 cm would be possible



\*\*The maximum value of the load range should not be exceeded. The deflection here is approximately 1.2 mm.

\* Design load (dead weight + 1/3 of variable loads; without safety factors for loads) = -load range x 0.6; available in 1 m long strips; bearing thickness 6 mm; colour according to coding here

# Model house



- House - 2 storeys + converted attic (top floor); walls made of 80 mm cross-laminated timber
- Loads: under the centre purlin in the top floor, there is a point load of 9 tonnes per gable
- → This results in a one-metre strip of S1500 in 80 mm per gable [a]
- The remaining exterior walls in the attic are subjected to 3 tonnes per running metre → here, S350 in 80 mm [b] is used
- On the upper floor (UF), the centre purlin load + attic ceiling results in 11 tonnes – again, a metre strip of S1500 [c]
- The remaining exterior walls with 5 tonnes per running metre result in the product S750 in 80 mm [d]
- All partition walls with 80 mm are non-load-bearing and S75 in 80 mm is used here
- All bearings are located ON the ceilings and decouple the wall above



Produkttyp - Width	Price € / m	Meter requirement [m]
S75 - 80 [mm]	partition walls, upper floor + attic	40 m
S350 - 80 [mm]	external walls DG	28 m
S750 - 80 [mm]	external walls OG	28 m
S1500 - 80 [mm]	Under centre purlin support, gable side, upper floor + attic	4 m

Costs for sound insulation mats in a sample house: approx. €1,200 excluding VAT.

# Price list Vibradyn 6 acoustic decoupling

self-adhesive

Product type - Width	Price € / m	Metres required [m]	Total price [€]
S75 - 80 [mm]	8,75		
S75 - 100 [mm]	10,94		
S75 - 120 [mm]	13,13		
S75 - 140 [mm]	15,32		
S150 - 80 [mm]	11,40		
S150 - 100 [mm]	14,24		
S150 - 120 [mm]	17,09		
S150 - 140 [mm]	19,93		
S350 - 80 [mm]	13,94		
S350 - 100 [mm]	17,42		
S350 - 120 [mm]	20,91		
S350 - 140 [mm]	24,40		
S750 - 80 [mm]	16,47		
S750 - 100 [mm]	20,59		
S750 - 120 [mm]	24,71		
S750 - 140 [mm]	28,84		
S1500 - 80 [mm]	17,05		
S1500 - 100 [mm]	21,31		
S1500 - 120 [mm]	25,57		
S1500 - 140 [mm]	29,83		
<b>Total</b>			

Only full running metres can be ordered.

## Contact details

Company

Contact person

Delivery address

Remark

Send order form to

office@isocell.at

Online PDF



Prices as of 07/2025 | Prices exclude VAT.

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