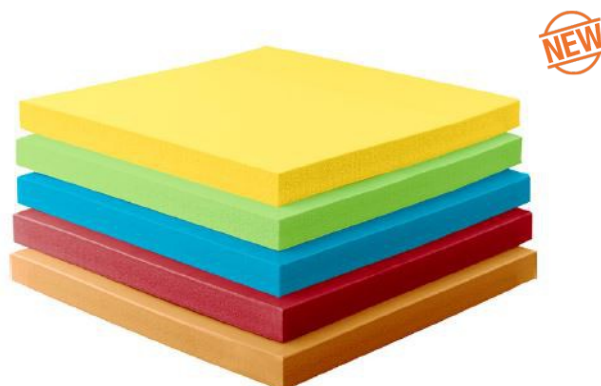


SIT Zvukové ložisko

SIT acoustic isolating strips are recommended for CLT buildings that are required to deliver superior acoustic performance. They guarantee acoustic insulation between timber walls and floors. The choice of the strip's density depends on the weight of the wall.



Features

Material

- Polyurethane with closed cell structure
- Thickness 12.5 mm

Advantages

- Available in a strip of 2m Length, width can be cut on demand,
- Absorbs vibrations
- Can be used in humid environments
- Estimated service life of 50 years
- Improved draught sealing

Applications

Header

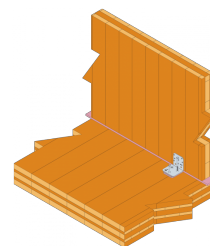
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When to use

**Suitable with Cross Laminated Timber (CLT)
Brackets
Connection of floors and walls in CLT
Installations**



Exemple de mise en œuvre



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Technical Data

Mechanical properties - Part 1

Art. nr.	color	Static loads ⁽¹⁾ [N/mm ²]		Dynamic loads ⁽¹⁾ [N/mm ²]	Load peaks ⁽¹⁾ [N/mm ²]	Mechanical loss factor ⁽²⁾	Static E-modulus ⁽²⁾ [N/mm ²]	Dynamic E-modulus ⁽²⁾ [N/mm ²]	Static shear modulus ⁽²⁾ [N/mm ²]	Dynamic shear modulus ⁽²⁾ [N/mm ²]
		Min.	Max.							
SIT75	gelb	0.05	0.075	0.12	2	0.06	0.63	0.92	0.16	0.27
SIT150	grün	0.1	0.15	0.25	3	0.03	1.25	1.65	0.22	0.35
SIT350	blau	0.23	0.35	0.5	4	0.03	2.53	3.25	0.35	0.52
SIT750	rot	0.5	0.75	1.2	6	0.04	5.21	8.88	0.8	1.22
SIT1500	orange	1	1.5	2	8	0.05	9.21	16.66	1.15	1.69

⁽¹⁾ Values apply to form factor $q = 3$

Mechanical properties - Part 2

Art. nr.	Resistance to strain at 10% deformation [N/mm ²]	Residual compression set [%]	Tensile strength [N/mm ²]	Elongation at break [%]	Tear resistance [N/mm]	Rebound elasticity [%]	Specific volume resistance [Ω .cm]
SIT75	0.083	< 5	> 1,5	> 500	> 1,6	70	> 10 ¹¹
SIT150	0.16	< 5	> 2	> 500	> 2,1	70	> 10 ¹¹
SIT350	0.32	< 5	> 3,5	> 500	> 2,5	70	> 10 ¹¹
SIT750	0.59	< 6	> 5	> 500	> 4,3	70	> 10 ¹¹
SIT1500	0.94	< 8	> 7	> 500	> 5,6	70	> 10 ¹¹

⁽²⁾ Measured at maximum limit of static application range

Thermal properties

Art. nr.	Thermal conductivity [W/m.k]	Operating temperature [°C]	Temperature peak [°C]	Inflammability
SIT75	0.06	- 30 / + 70	+ 120	E / EN 13501-1
SIT150	0.075	- 30 / + 70	+ 120	E / EN 13501-1
SIT350	0.09	- 30 / + 70	+ 120	E / EN 13501-1
SIT750	0.1	- 30 / + 70	+ 120	E / EN 13501-1
SIT1500	0.11	- 30 / + 70	+ 120	E / EN 13501-1

⁽³⁾ Test according to respective standards

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