

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.

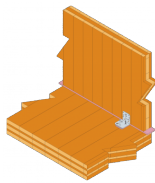
FEATURES

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

When to use

Suitable with Cross Laminated Timber (CLT) Brackets

Connection of floors and walls in CLT Installations

TECHNICAL DATA

Mechanical properties - Part 1

References	color	Colour	Colour FR	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 [N/mm ²]
				Min.	Max.							
SIT75	gelb	yellow	jaune	0.05	0.075	0.12	2	0.06	0.63	0.92	0.16	0.27
SIT150	grün	green	vert	0.1	0.15	0.25	3	0.03	1.25	1.65	0.22	0.35
SIT350	blau	blue	bleu	0.23	0.35	0.5	4	0.03	2.53	3.25	0.35	0.52
SIT750	rot	red	rouge	0.5	0.75	1.2	6	0.04	5.21	8.88	0.8	1.22
SIT1500	orange	orange	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

References	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

References	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

