

SILENT BEAM

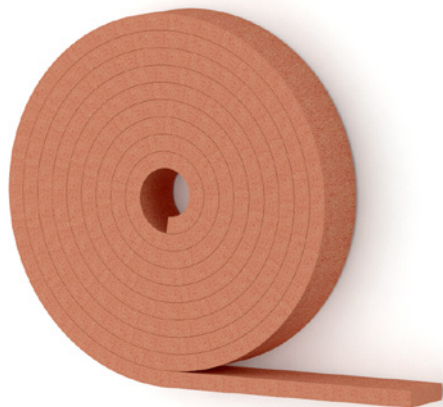
RESILIENT PROFILE FOR FLOOR BATTENS WITH DRY SYSTEM.

LOW FREQUENCIES

Thanks to the special viscoelastic mixture, the product is able to insulate at very low frequencies, even with low loads.

SOUND INSULATION

Based on the different loads acting upon the profile, excellent sound-proofing values are achieved, even on light floors with little mass.



CODES AND DIMENSIONS

code	B [mm]	L [m]	s [mm]	pcs.
SILENTBEAM45	45	2	12,5	1

TECHNICAL SPECIFICATIONS

Property	Standard	Value
Static elastic modulus at 10% (compression)	DIN 53513	0,048 MPa
Dynamic elastic modulus E'	DIN 53513	0,144 MPa
Mechanical loss factor	DIN 53513	0,25
Maximum temperature for use	-	120 °C
Tear strength	DIN 53455	≥ 0,35 MPa
Elongation at break point	DIN 53455	≥ 400 %
Reaction to fire	EN 13501-1	class E
Thermal conductivity (λ)	-	0,05 W/mK

TABLE OF USE

APPLICABLE COMPRESSION	DEFORMATION	NATURAL FREQUENCY	ELASTIC MODULUS E		
			STATIC	AT 10 Hz	AT 30 Hz
[N/mm ²]	[mm]	[Hz]	[N/mm ²]	[N/mm ²]	[N/mm ²]
0,005	0,5	9	0,14	0,23	0,28
0,010	1	18	0,05	0,15	0,19
0,015	2,5	2	0,04	0,18	0,22
0,020	3,5	4	0,07	0,25	0,32



RELIABLE

Polyurethane ensures elastic behaviour over time, keeping its ability to deform under dynamic stresses unchanged.

MATERIAL

Open cell polyurethane foam mix. Chemically stable and free of harmful substances.