

JOINWOOD

ELASTIC JUNCTION FOR CLT STRUCTURES



HIGH DENSITY UNDER WALL ACOUSTIC INSULATION MADE OF RUBBER GRANULES



■ TECHNICAL SPECIFICATION

Flexible anti-vibration joint in stripes 6 mm thick made of SBR (Stirene Butadiene Rubber) fibres and granules rubber hot pressed with a polyurethane binder to a 50 g/m² non-woven, unstretched backing. Density 780 kg/m³. Stripes dimensions: m 8 lenght, mm 100, 140 width.



■ CERTIFIED ACOUSTIC IMPROVEMENT

Our under wall strip improves acoustic performances of vertical and horizontal structures

■ FLEXIBILITY

Made in different widths, it easily adapts to design needs

■ LAYING COSTS REDUCTION

The roll strip ensures fast installation; the presence of the tearproof support protects and gives greater stability and mechanical strength

■ TO BE USED WITH

Ideal solution for wooden structures, CLT or mixed structures

■ TECHNICAL DATA

Thickness	6 mm
Length	8,0 m
Width	100-140 mm
Density	780 kg/m ³

Dynamic stiffness s'	77 MN/m ³
Compressibility c	0,2 mm
Reaction to fire	E
Thermal conductivity coefficient λ	0,12 W/m K



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INSTALLATION INSTRUCTIONS FOR ELASTIC JUNCTION FOR CLT STRUCTURES JOINWOOD

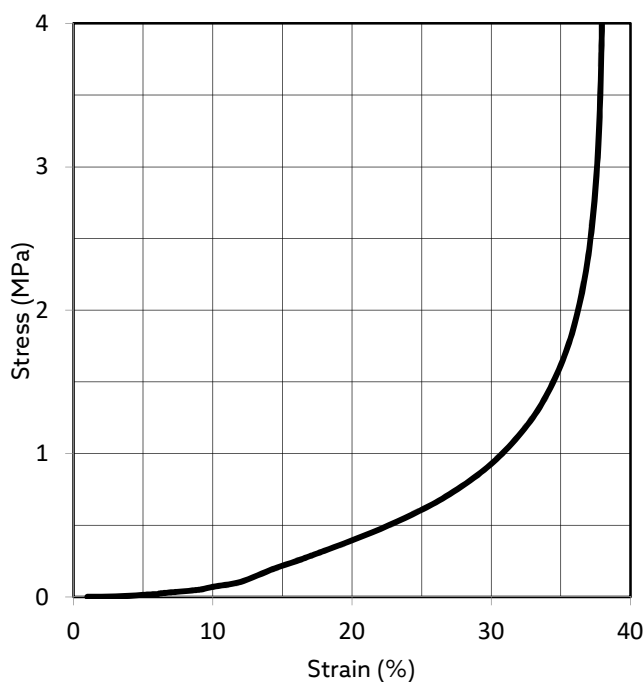
PHYSICAL CHARACTERISTICS

Thickness	EN 12431	mm	6	± 1
Length	EN 822	m	8,0	± 2%
Width	EN 822	mm	100-140	± 5
Density	EN 1602	kg/m ²	780	± 5%

TECHNICAL CHARACTERISTICS

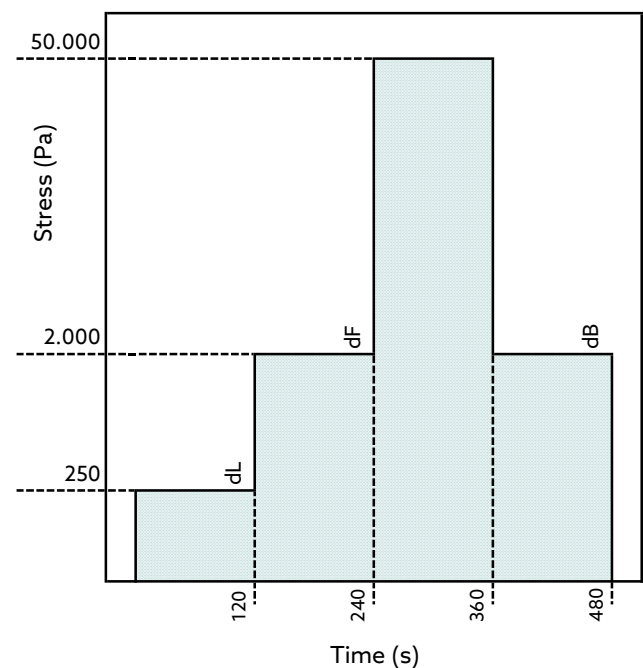
Compressibility c	EN 12431	mm	0,20	
Creep deformation at time Xct - 10 years	EN 1606	mm	0,13	
Strain at time ϵ_t - 10 years	EN 1606		5,9%	
Thermal conductivity coefficient λ	EN 12667	W /m K	0,12	
Reaction to fire	EN 13501-1		E	
Hardness	DIN 53505	Shore A	60	± 5

COMPRESSION BEHAVIOR



Stress at 10%	σ_{10}
EN 826	kPa $\geq 115 \pm 5\%$

THICKNESS AND COMPRESSIBILITY



Thickness	dL	dF	dB	
EN 12431	mm	6,6	6,4	6,4 ± 10%



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ACOUSTIC CHARACTERISTICS OF THE PRODUCT

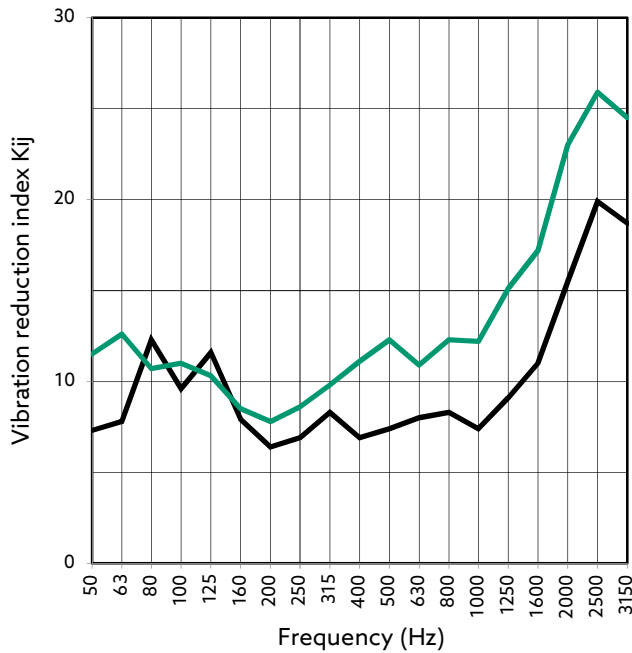
DYNAMIC STIFFNESS

Tested in the Isolomma laboratory

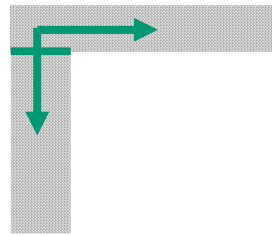
UNI EN 29052-1

$s' = 77 \text{ MN/m}^3$

Vibration reduction index Kij - L Junction

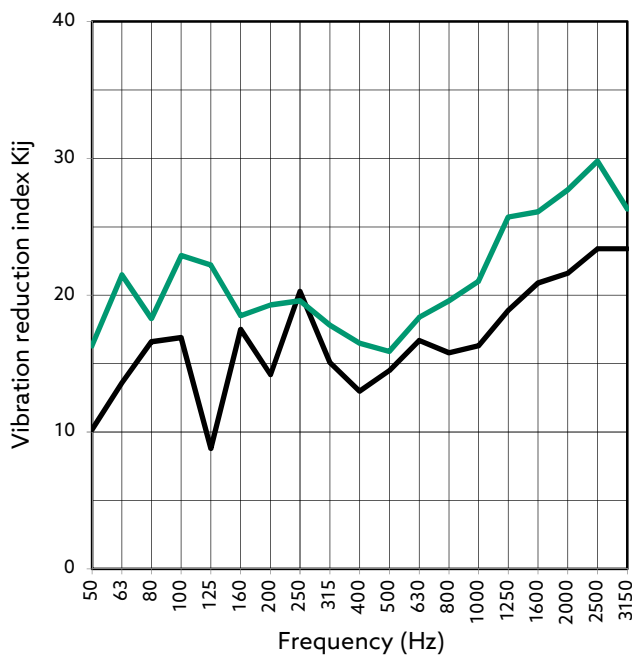


L Junction in CLT wall

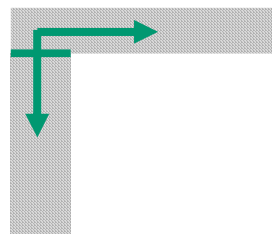


— Without Joinwood
— With Joinwood

Vibration reduction index Kij - X Junction



T Junction in CLT wall



— Without Joinwood
— With Joinwood