

# JOINWOOD

## ELASTIC JUNCTION FOR CLT STRUCTURES



HIGH DENSITY UNDER WALL ACOUSTIC INSULATION MADE OF RUBBER GRANULES



### ■ TECHNICAL SPECIFICATION

Flexible anti-vibration joint for CLT structures in stripes 6 mm thick made of granules rubber from End-of-Life Tyres (ELTs) hot pressed with a polyurethane binder to a 50 g/m<sup>2</sup> non-woven, unstretched backing. Density 780 kg/m<sup>3</sup>. Stripes dimensions: m 8 length, 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 <sup>3</sup>

Dynamic stiffness s'	77 MN/m <sup>3</sup>
Compressibility c	0,2 mm
Reaction to fire	E
Thermal conductivity coefficient $\lambda$	0,12 W/m K



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## ELASTIC JUNCTION FOR CLT STRUCTURES



### INSTALLATION INSTRUCTIONS FOR ELASTIC JUNCTION FOR CLT STRUCTURES JOINWOOD

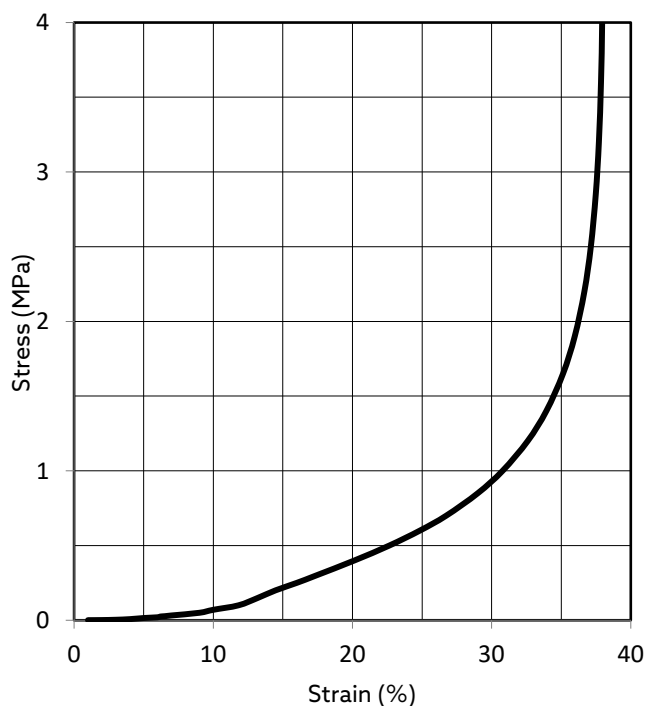
#### PHYSICAL CHARACTERISTICS

Thickness	EN ISO 29770	mm	6	± 1
Length	EN 822	m	8,0	± 2%
Width	EN 822	mm	100-140	± 5
Density	EN ISO 29470	kg/m <sup>2</sup>	780	± 5%

#### TECHNICAL CHARACTERISTICS

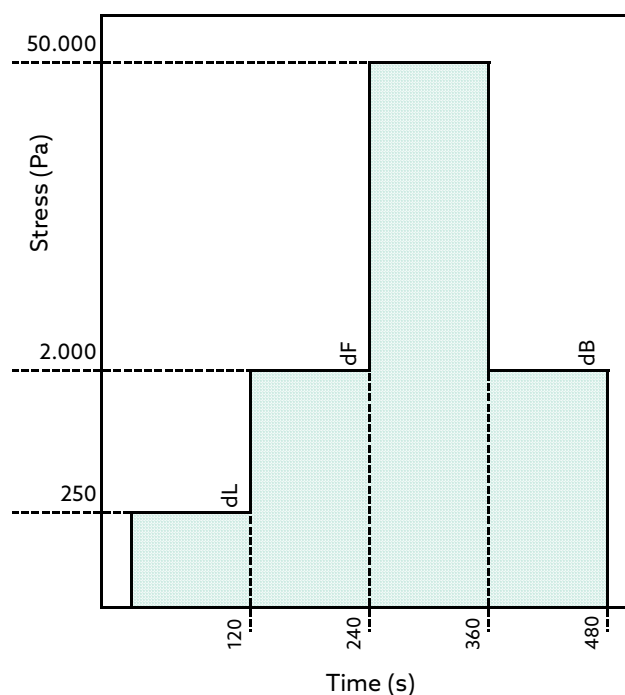
Compressibility c	EN ISO 29770	mm	0,20
Creep deformation at time Xct - 10 years	EN 1606	mm	0,13
Strain at time $\epsilon_t$ - 10 years	EN 1606		5,9%
Thermal conductivity coefficient $\lambda$	EN 12667	W /m K	0,12
Reaction to fire	EN 13501-1		E
Hardness	DIN 53505	Shore A	60 ± 5

#### COMPRESSION BEHAVIOR



Stress at 10%	$\sigma_{10}$
EN ISO 29469	kPa $\geq 115 \pm 5\%$

#### THICKNESS AND COMPRESSIBILITY



Thickness	dL	dF	dB
EN ISO 29770	mm 6,6	6,4	6,4 ± 10%



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### ACOUSTIC CHARACTERISTICS OF THE PRODUCT

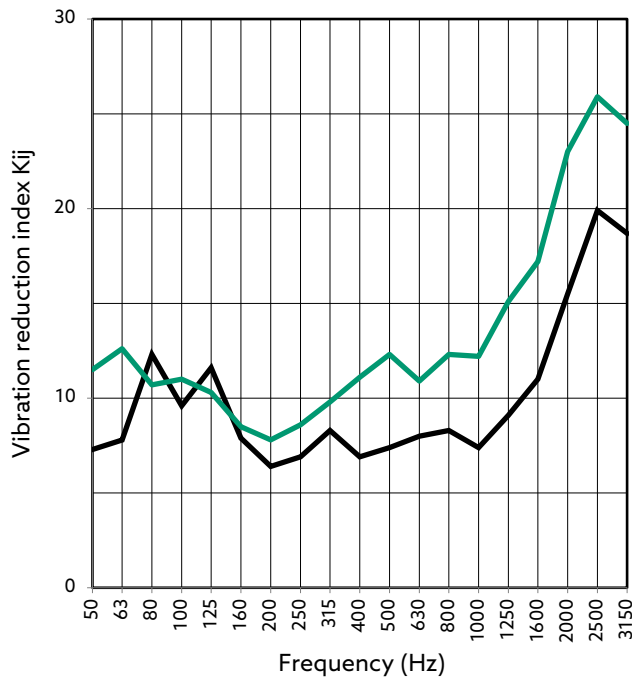
#### ■ DYNAMIC STIFFNESS

Tested in the Isolgamma laboratory

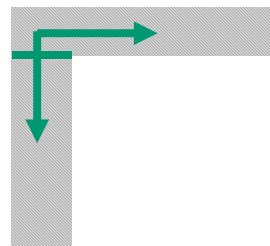
UNI EN 29052-1

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

#### ■ Vibration reduction index Kij - L Junction

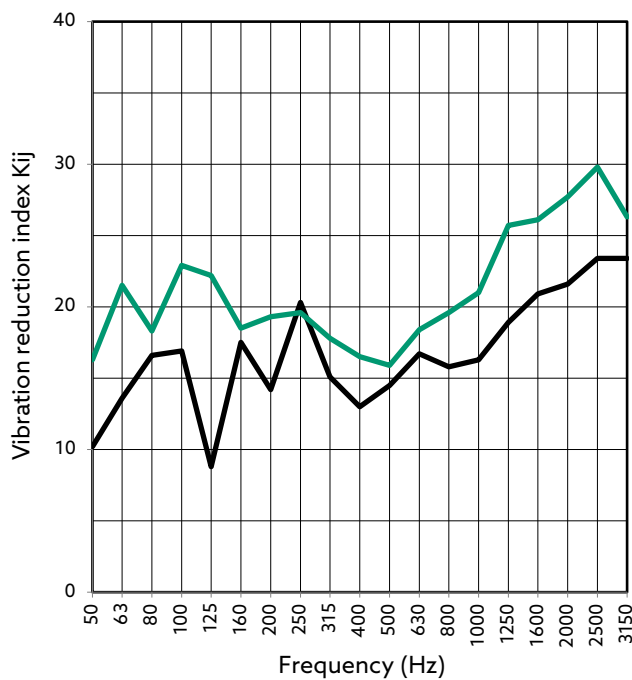


#### L Junction in CLT wall

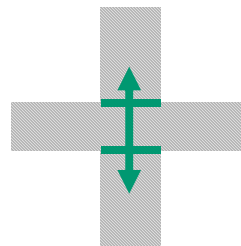


— Without Joinwood  
— With Joinwood

#### ■ Vibration reduction index Kij - X Junction



#### X Junction in CLT wall



— Without Joinwood  
— With Joinwood