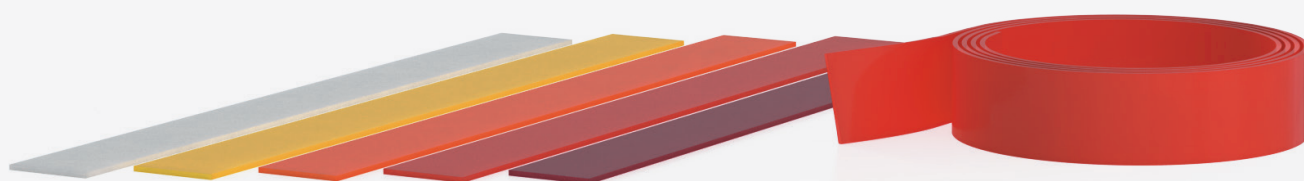


XYLOFON

Soundproofing, high performing resilient soundproofing profile

Polyurethane mixture



APPLICATIONS

Mechanical desolidarisation of wood-wood, wood-concrete and wood-steel connections

- Xlam (Cross Laminated Timber)
- platform frame
- LVL structure
- Blockhaus

CERTIFIED

Tested by the Industrial research centre of the University of Bologna in accordance with EN ISO 10848



PERFORMANCE

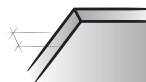
In an elastic and stable mixture, it significantly reduces the transmission of airborne and structural noise (from 5 dB to over 15 dB)



6 MM

The low thickness of the 5 versions supports a wide load range (more than 400 kN/m) without affecting the design choices

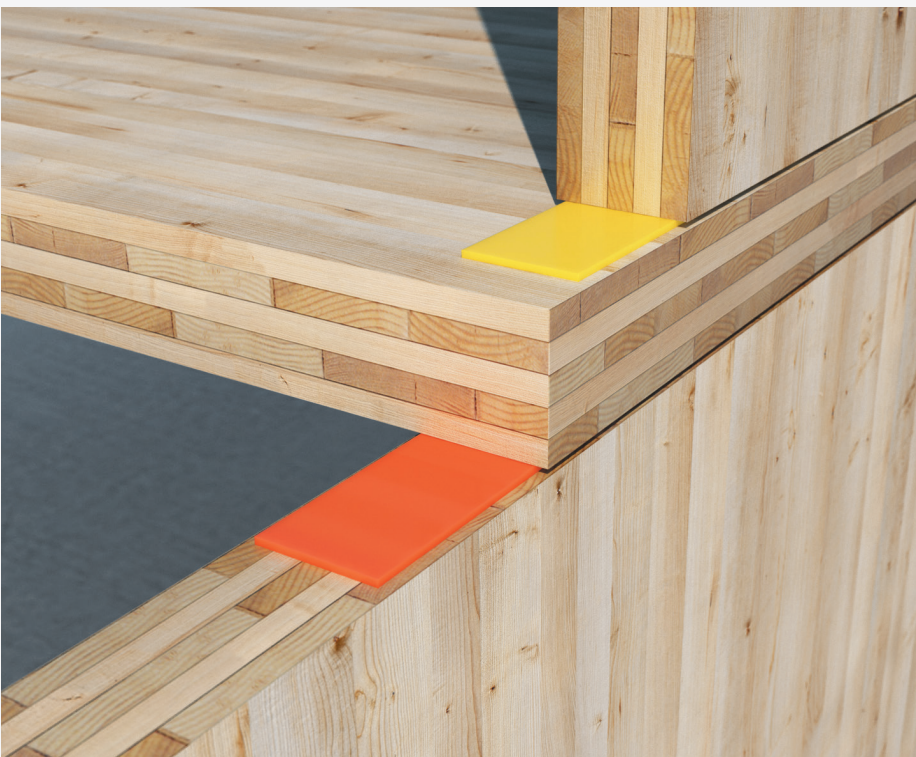
6 mm



SAFE

The monolithic structure of the polyurethane ensures stability, watertightness and the absence of subsidence over time





SOUNDPROOFING

Tested and certified for use as a desolidarisation and mechanical interruption layer between building materials. Significantly reduces the transmission of airborne and structural noise



DESIGN

Used in many situations to acoustically separate the more critical structural links (lift shafts and mixed structures). The 6 mm thickness facilitates the design of the architectural details

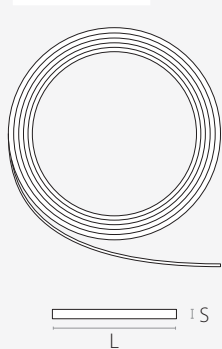


DURABILITY

The profiles are easily processed and installed using the most common site tools; their reliability over time is guaranteed by the homogeneity of polyurethane, a stable and waterproof material

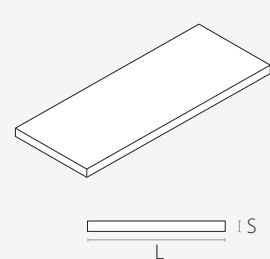
CODES AND DIMENSIONS

XYLOFON



CODE	version	length	width (L)	thickness (S)	pcs/pack
D82411	35	3.66 m	100 mm	6 mm	1
D82412	50	3.66 m	100 mm	6 mm	1
D82413	70	3.66 m	100 mm	6 mm	1
D82414	80	3.66 m	100 mm	6 mm	1
D82415	90	3.66 m	120 mm	6 mm	1

XYLOFON MEGA



CODE	version	length	width (L)	thickness (S)	pcs/pack
D82421 new	35	3,66 m	1000 mm	6 mm	1
D82422 new	50	3,66 m	1000 mm	6 mm	1
D82423 new	70	3,66 m	1000 mm	6 mm	1
D82424 new	80	3,66 m	1000 mm	6 mm	1
D82425 new	90	3,66 m	1000 mm	6 mm	1

MATERIAL AND DURABILITY

Polyurethane mixture between 35 and 90 shore.
Product without VOC or toxic substances.
Extremely chemically stable and without warping over time.

TECHNICAL SPECIFICATIONS

PROPERTY	STANDARD	UNIT OF MEASURE	D82411 D82421	D82412 D82422	D82413 D82423	D82414 D82424	D82415 D82425
Hardness	-	shore	35	50	70	80	90
Static permanent load (10%)	-	N/mm²	0.176	0.304	0.940	1.710	3.600
Dynamic stiffness s' ***	UNI 29052	MN/m³	1262	1455	1822	2157	>2200
Creep *	EN 1606	%	<0.5	<0.5	<0.5	<0.5	<0.5
Compression deformation DVR **	ISO 1856	%	1.5	0.5	0.3	0.9	3.7
Dynamic elasticity module E', 10 Hz (DMA)	ISO 4664	MPa	2.16	3.53	10.1	19	43
Dynamic shear module G', 10 Hz (DMA)	ISO 4664	MPa	1.13	1.18	3.24	6.5	16.7
Damping factor Tan δ	ISO 4664	-	0.177	0.132	0.101	0.134	0.230
Max processing temperature (TGA)	-	°C	200	> 200	> 200	> 200	> 200
Reaction to fire	EN 13501-1	class	E	E	E	E	E

The complete reports of the mechanical-acoustic characterisation of the material are available from the Rothoblaas technical department

* data extrapolated for 30 days of observation
** measurements taken on material with nominal thickness of 30 mm
*** s' = s' (t) the air contribution is not calculated because the product is infinitely airtight (extremely high flow resistivity values)

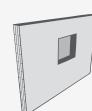
TABLE OF USE

CODE	WIDTH OF STRIP [mm]	VERSION	APPLICABLE LINEAR LOAD [kN/m]		APPLICABLE COMPRESSION [N/mm ²]		LOWERING [mm]	
			from	to	from	to	min	max
D82411	100	35	1.8	17.6	0.018	0.176	0.06	0.60
D82412	100	50	3.0	30.4	0.030	0.304	0.06	0.60
D82413	100	70	9.2	92.0	0.092	0.920	0.06	0.60
D82414	100	80	17.1	171.0	0.171	1.710	0.06	0.60
D82415	120	90	43.2	432.0	0.360	3.600	0.06	0.60

For further information on use and calculation, go to page 31

APPLICATION

Separating resilient layer for connections between the structural elements.



Xlam

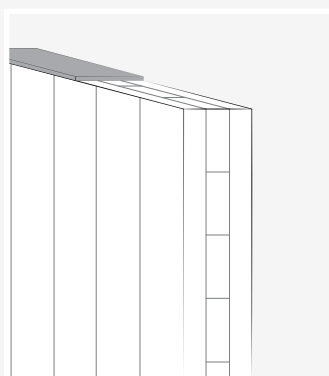


Frame

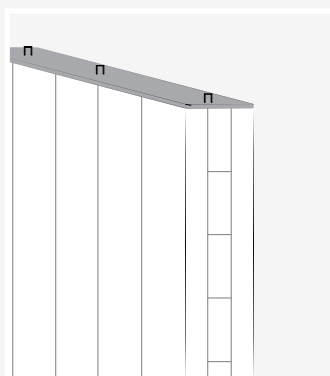


Blockhaus

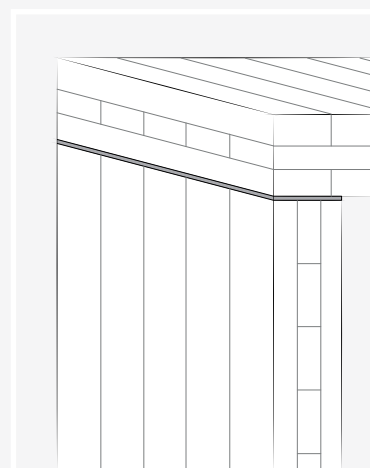
APPLICATION TIPS



1) Lay the profile on the top section of the wall



2) Mechanically fasten with staples every 40/60 cm



3) Lay the horizontal panel of the floor and repeat the operations from step 1

ADDITIONAL PRODUCTS

CUTTER

FOR PROFESSIONAL CUTS



CODE	pcs/pack.
CUTTER	1

STAPLER

HAMMER



CODE	version	pcs/pack.
HH735347	6 - 10	1

STAPLER

HAMMER



CODE	version	pcs/pack.
HH735322	8 - 14	1

3482 STAPLER

FOR K STAPLES



CODE	pcs/pack.
HH3482	1

For a comprehensive overview of the available equipment, refer to the catalogue "Equipment for wood constructions"