



SINCE
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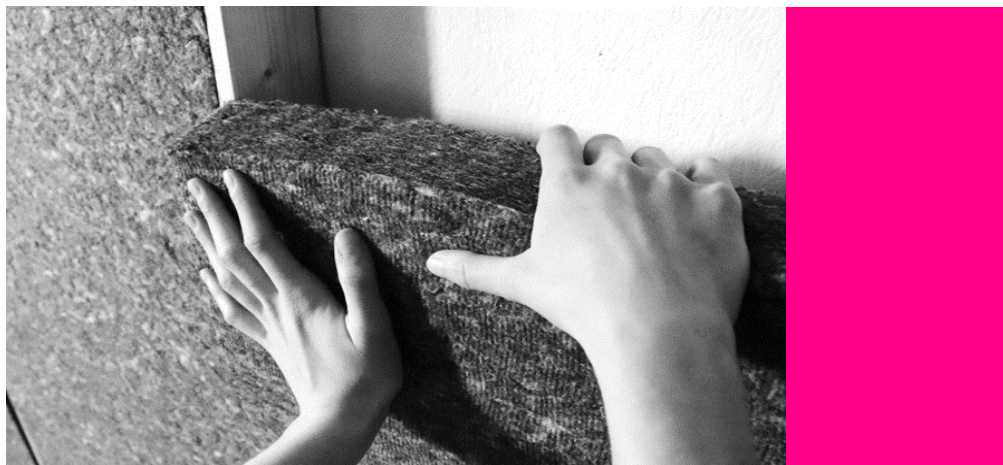
TADITIONAL

QUALITY

ENVIZOL TB OH 50

Thermal and acoustic insulation board

NONWOVENS



Characteristics: Nonwoven thermally bonded textile, made by airlay technology, for thermal and acoustic insulation in construction industry.

Material content: Recycled polyester fibers and binder polyester bicomponent fibers.

Colour: Grey

Properties:



Regular Use: Thermal and acoustic insulation for the exterior load-bearing walls of prefabricated buildings, internal partitions, trusses and ceiling structures. Interior acoustic and thermal insulation for suspended ceilings and lamellar design panels.



Material specification

Date of Issue: 5.5.2023

Quality Management System ISO 9001, ISO 14001, ISO 45001 and ISO 50001



TRADITIONAL QUALITY NONWOVENS

Material specification

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ENVIZOL TB OH 50

Thermal and acoustic insulation board

Technical parameters

	Envizol TB OH 50	TL 30	TL 50	TL 100	Tolerance
PHYSICAL PROPERTIES					
Mass per unit area [m_s] / EN ISO 9864	g/m^2	1500	2500	5000	± 15
Density [ρ] / EN 1602	kg/m^3	50			± 15
Thickness / ČSN 823	mm	30	50	100	-5% +10%
SOUND INSULATION PROPERTIES					
Acoustic absorption [α] / EN ISO 354	Attachment No. 1				
THERMAL INSULATION PROPERTIES					
Thermal conductivity [λ] / ČSN EN 12667	W/(m.K)	0,033			
WATER VAPOR PERMEABILITY					
Diffusion resistance factor [μ] / EN 13162		2,2			
WATER ABSORPTION					
Short-term water absorption [W] / EN1609 (ČSN EN ISO 29767)	kg/m^2	< 0,47			
FIRE CLASSIFICATION					
Reaction to fire / EN 13501-1+A1		E			
DIMENSIONS					
Delivered format		board			
Width	cm	60			$\pm 1\%$
Length	cm	120			$\pm 3\%$
PACKAGING AND STORAGE					
Packing	The boards are stored on a non-returnable wooden pallet. The pallet is wrapped with stretch film.				
Pallet dimension [dxšxv]	cm	120x120x250			
Storage	In covered, clean and dry spaces				

The data were measured in the laboratories of RETEX a.s., BUT Brno and CSI Prague in 2020

All dates are for informative purpose only - this Specification does not substitute Declaration of conformity or Product Certificates.



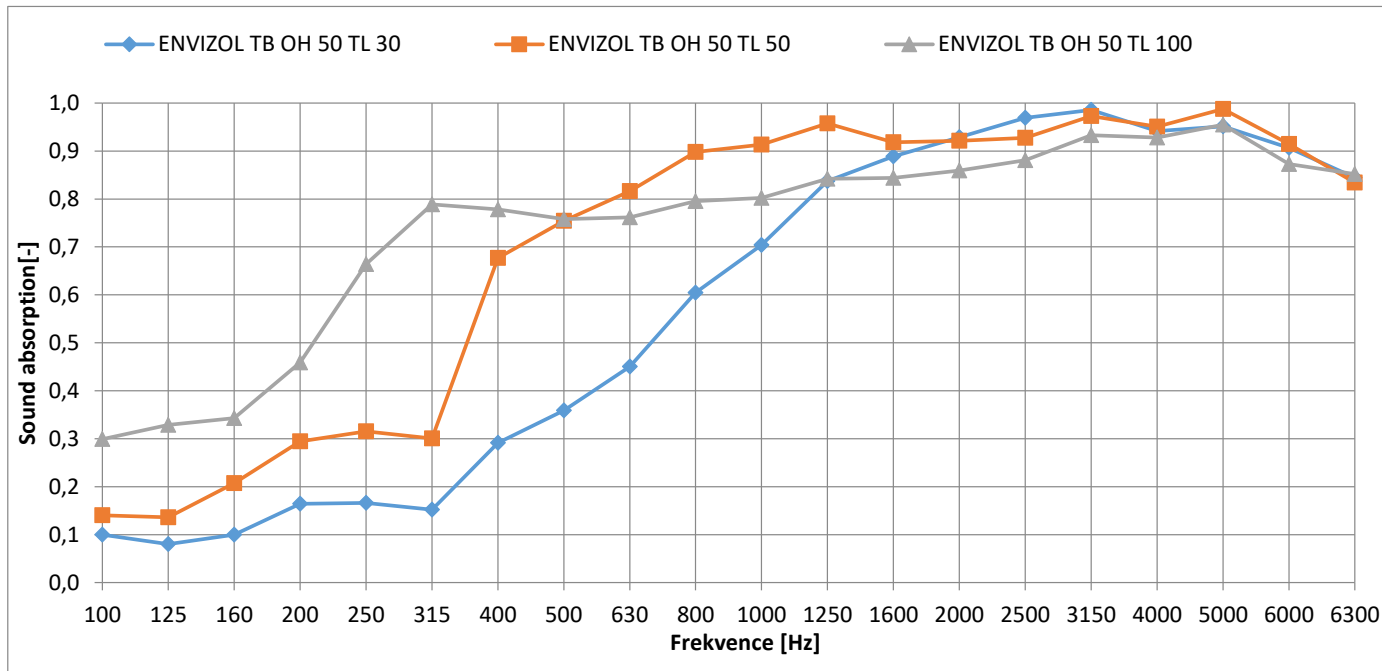
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Sound absorption/ EN ISO 354



f [Hz]	1500/30	2500/50	5000/100
100	0,10	0,14	0,30
125	0,08	0,14	0,33
160	0,10	0,21	0,34
200	0,16	0,29	0,46
250	0,17	0,32	0,66
315	0,15	0,30	0,79
400	0,29	0,68	0,78
500	0,36	0,75	0,76
630	0,45	0,82	0,76
800	0,60	0,90	0,80
1000	0,70	0,91	0,80
1250	0,84	0,96	0,84
1600	0,89	0,92	0,84
2000	0,93	0,92	0,86
2500	0,97	0,93	0,88
3150	0,99	0,97	0,93
4000	0,94	0,95	0,93
5000	0,95	0,99	0,95
6000	0,91	0,91	0,87
6300	0,84	0,83	0,85