



SINCE
1950

ENVIZOL TB OH 50

Acoustic and thermal insulation board



Characteristics: Nonwoven thermally bonded textile, made by airlay technology, for acoustic insulation applications in building industry

Material content: Recycled polyester fibers and BICO co-polyester binder fibers

Colour: Grey

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

Properties:



THERMAL
INSULATION



ACOUSTIC
ABSORPTION



MADE FROM
RECYCLED MATERIALS



HIGH DIMENSIONAL
STABILITY



FLEXIBILITY



RESISTANCE TO
MECHANICAL DAMAGE



NO HAZARDOUS
CHEMICALS



NO IRRITATION OF
RESPIRATORY TRACT



NO SKIN
IRRITATION

Regular Use: Interior thermal and acoustic insulation of ceilings, walls and partitions



CEILING
INSULATION



RAFTERS
INSULATION



PARTITIONS
INSULATION



WALL
INSULATION

Material Specification

Date of Issue: 27.03.2020

No.: I-006-3



TRADITIONAL QUALITY NONWOVENS

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Technical parameters

	Envizol TB OH 50	TL 30	TL 50	TL 75	TL 100	Tolerance
PHYSICAL PROPERTIES						
Mass per unit area [m _s] / EN ISO 9864	g/m ²	1500	2500	3750	5000	±15
Density [ρ] / EN 1602	kg/m ³	50				±15
Thickness / ČSN 823	mm	30	50	75	100	-5% +10%
SOUND INSULATION PROPERTIES						
Acoustic absorption / ČSN ISO 10534-1	Příloha č. 1					
THERMAL INSULATION PROPERTIES						
Thermal conductivity [λ] / ČSN EN 12667	W/(m.K)	0,033				
Specific heat capacity [c] / ČSN 730540-3	J/(kg.K)	1250				
Thermal resistance [R]	(m ² .K)/W	0,91	1,52	2,27	3,03	
Heat transfer coefficient [U]	W/(m ² .K)	0,93	0,59	0,41	0,31	
DISTRIBUTION OF MOISTURE						
Water vapour diffusion resistance factor [μ] / EN 13162		2,2				
WATER ABSORPTION						
Short-term water absorption [W] / EN1609 (ČSN EN ISO 29767)	kg/m ²	< 4,5				
FIRE CLASSIFICATION						
Reaction to fire / EN 13501-1+A1		E				
DIMENSIONS						
Delivered format		board				
Width	cm	60				±1%
Length	cm	120				±3%
PACKAGING AND STORAGE						
Packing	The boards are placed on a non-returnable wooden pallet. The pallet is wrapped with stretch foil.					
Pallet dimensions [wxlxh]	cm	120x120x250				
Number of boards per bag	ks	158	96	62	48	
Number of boards per pallet	m ²	113,8	69,1	44,6	34,6	
	kg	190	190	190	190	
Storage	In covered, clean and dry spaces					

The data was measured at the laboratories of RETEX a.s., VUT Brno and CSI Prague in 2020.

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