



SINCE  
**1950**

# TRADITIONAL QUALITY NONWOVENS

## ENVIZOL TB OH 26

Thermal and acoustic insulation board



**Characteristics:** Nonwoven thermally bonded textile, made by airlay technology, for thermal 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



INTERNAL WALL  
INSULATION

**Material Specification**

Date of Issue: 27.03.2020

No.: I-005-3



# TRADITIONAL QUALITY NONWOVENS

Material Specification

Date of Issue: 27.03.2020

No.: I-005-3

## ENVIZOL TB OH 26

Thermal and acoustic insulation board

### Technical parameters

	ENVIZOL TB OH 26	TL 40	TL 50	TL 60	TL 75	TL 80	TL 100	Tolerance
<b>PHYSICAL PROPERTIES</b>								
Mass per unit area [ $m_s$ ] / EN ISO 9864	$g/m^2$	1100	1300	1560	1950	2080	2600	$\pm 15$
Density [ $\rho$ ] / EN 1602	$kg/m^3$	26						$\pm 15$
Thickness / ČSN 823	mm	40	50	60	75	80	100	-5% +10%
<b>SOUND INSULATION PROPERTIES</b>								
Acoustic absorption / ČSN ISO 10534-1	Attachment No. 1							
<b>THERMAL INSULATION PROPERTIES</b>								
Thermal conductivity [ $\lambda$ ] / ČSN EN 12667	$W/(m.K)$	0,035						
Specific heat capacity [ $c$ ] / ČSN 730540-3	$J/(kg.K)$	1250						
Thermal resistance [R]	$(m^2.K)/W$	1,14	1,43	1,71	2,14	2,29	2,86	
Heat transfer coefficient [U]	$W/(m^2.K)$	0,76	0,63	0,53	0,43	0,41	0,33	
<b>DISTRIBUTION OF MOISTURE</b>								
Water vapour diffusion resistance factor [ $\mu$ ] / EN 13162		1,5						
<b>WATER ABSORPTION</b>								
Short-term water absorption [W] / EN1609 (ČSN EN ISO 29767)	$kg/m^2$	< 0,8						
<b>FIRE CLASSIFICATION</b>								
Reaction to fire / EN 13501-1+A1		E						
<b>DIMENSIONS</b>								
Delivered format		board						
Width	cm	60						$\pm 1\%$
Length	cm	120						$\pm 3\%$
<b>PACKAGING AND STORAGE</b>								
Packing	The boards are placed on a non-returnable wooden pallet. The pallet is wrapped with stretch foil.							
Pallet dimensions [w $\times$ l $\times$ h]	cm	120x120x250						
Number of boards per bag	ks	120	96	76	62	58	48	
Number of boards per pallet	$m^2$	86,4	69,12	54,7	43,2	41,8	34,56	
	kg	110	110	110	110	110	110	
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.