



SINCE  
**1950**

# TRADITIONAL QUALITY NONWOVENS

## ENVIZOL VS/TB FR

Thermal and acoustic insulation board



**Characteristics:** Nonwoven thermally bonded textile, made by airlay technology, for thermal and acoustic insulation applications in house appliances and equipments.

**Material content:** 50% VSS FR  
30% rec. PES  
20% Bico

**Color:** Multicolor

**Fire classification:** PP-03.04.75 (UL 94, Ed.6 - čl.7), PP-03.04.75 (UL 94, Ed.6 - čl.8)

**Properties:**



**Regular Use:** Acoustic and thermal insulation for washing machines, dryers, dishwashers and refrigerators



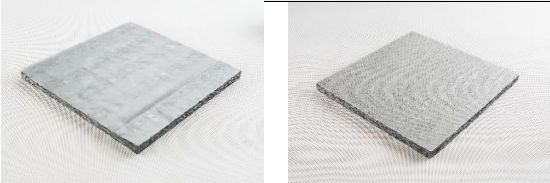
**Material Specification**  
Date of Issue: 15.3.2024

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

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### Technical parameters

	ENVIZOL SH	TL 10	TL 15	TL 23	TL 28	Tolerance
<b>PHYSICAL PROPERTIES</b>						
Mass per unit area [ $m_s$ ] / EN ISO 9864	$g/m^2$	600	900	1200	1600	$\pm 15\%$
Density [ $\rho$ ] / EN 1602	$kg/m^3$	60	60	52	57	$\pm 15\%$
Thickness / ČSN 823	mm	10	15	23	28	$\pm 15\%$
<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)	0,032				
<b>FIRE CLASSIFICATION</b>						
UL 94	V-0, HB					
<b>OPTIONAL SURFACE FINISHING</b>						
<b>Type:</b> Top layer spunbond or spunlace 40 - 150 $g/m^2$ Bottom layer self adhesive full or stripes 50 - 100 $g/m^2$						
<b>DIMENSIONS</b>						
Delivered format	cutted board on request					
<b>PACKAGING AND STORAGE</b>						
Packing	on request					
Storage	In covered, clean and dry spaces					

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



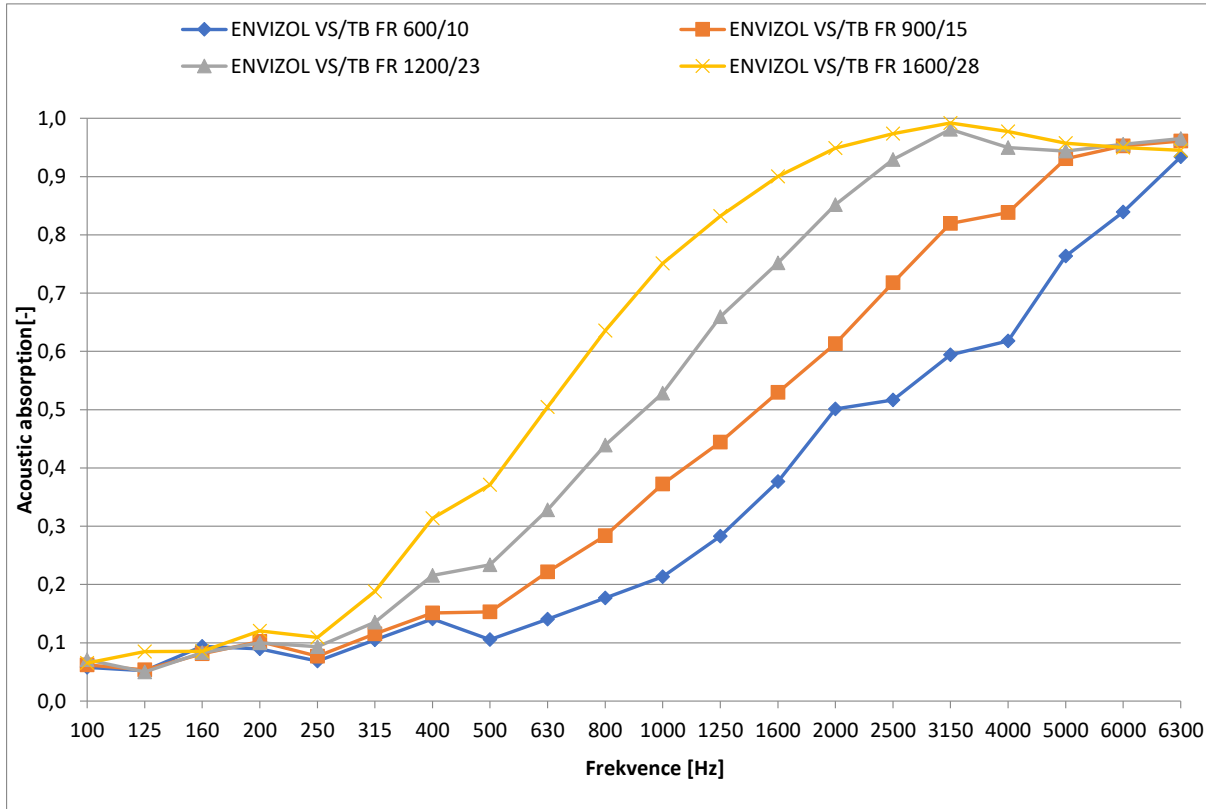
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### Acoustic absorption / ČSN ISO 10534-1



f [Hz]	600/10	900/15	1200/23	1600/28
100	0,06	0,06	0,07	0,07
125	0,05	0,05	0,05	0,09
160	0,09	0,08	0,08	0,09
200	0,09	0,10	0,10	0,12
250	0,07	0,08	0,09	0,11
315	0,11	0,12	0,14	0,19
400	0,14	0,15	0,22	0,31
500	0,11	0,15	0,23	0,37
630	0,14	0,22	0,33	0,50
800	0,18	0,28	0,44	0,64
1000	0,21	0,37	0,53	0,75
1250	0,28	0,44	0,66	0,83
1600	0,38	0,53	0,75	0,90
2000	0,50	0,61	0,85	0,95
2500	0,52	0,72	0,93	0,97
3150	0,59	0,82	0,98	0,99
4000	0,62	0,84	0,95	0,98
5000	0,76	0,93	0,94	0,96
6000	0,84	0,95	0,96	0,95
6300	0,93	0,96	0,97	0,95