



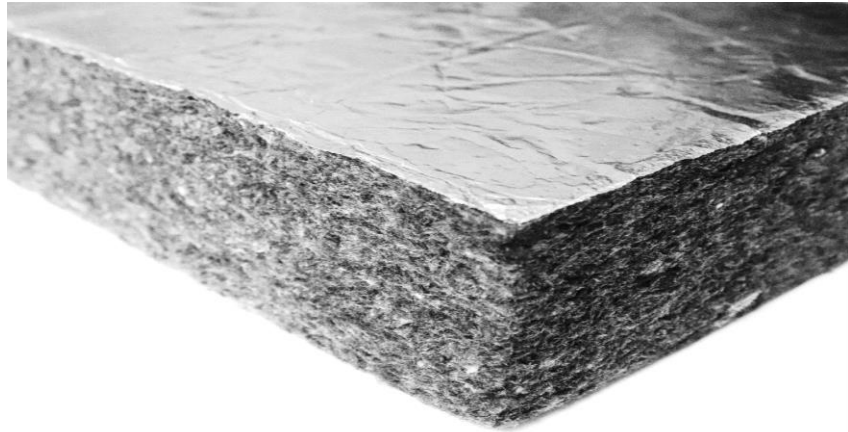
SINCE  
**1950**

# TRADITIONAL QUALITY NONWOVENS

## ENVIZOL TRAIN AL

Thermally and acoustically absorbing board

OH35



**Characteristics:** Nonwoven thermobonded textile laminated with AL foil for thermal insulation and acoustic applications

**Material content:** 10 % PES Bico  
90 % Recycled polymer fibers  
AL / Aluminium foil 30 µm

**Color:** Grey

**Fire classification:** ČSN EN 45545-2+A1 (HL1, HL2 a HL3)

**Function:**



**Use:**



Material Specification

Date of Issue: 11.10.2023

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

IRIS Certification ISO/TS 22163 : 2020



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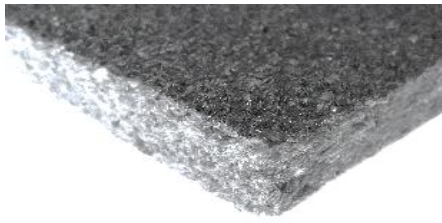
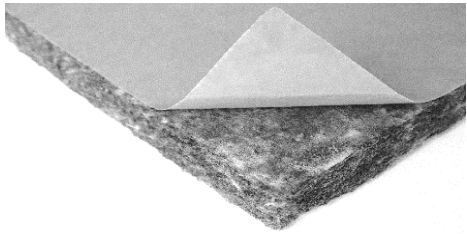
Material Specification

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## ENVIZOL TRAIN AL

Thermally and acoustically absorbing board

### Technical parameters

ENVIZOL TRAIN 35kg/m <sup>3</sup>		TL20	TL25	TL30	TL35	TL40	TL50	TL60	Tolerance
<b>PHYSICAL PROPERTIES</b>									
Mass per unit area / EN ISO 9864	g/m <sup>2</sup>	700	875	1050	1225	1400	1750	2100	± 15 %
Mass of fully saturated board	kg/m <sup>3</sup>	35	35	35	35	35	35	35	± 15 %
Thickness 0,5 kPa / EN ISO 9073-2	mm	20	25	30	35	40	50	60	± 15 %
<b>SOUND INSULATION PROPERTIES</b>									
Sound absorption / ČSN ISO 10534-1	Attachment No. 1								
<b>THERMAL INSULATION PROPERTIES</b>									
Thermal conductivity - laboratory humidity / ČSN EN 12667	W/m.K	0,035	0,035	0,035	0,035	0,035	0,035	0,035	± 20 %
<b>FIRE CLASSIFICATION</b>									
ČSN EN 45545-2+A1	R1, R7 and R17	HL3	HL3	HL3	HL3	HL3	HL3	HL3	
Critical heat flux at extinguishment ≥ 20 kW/m <sup>2</sup> / ISO 5658-2 / ECE Regulation No. 118	M2 a M3 6.2.2, 6.2.3, 6.2.4	X	X	X	X	X	X	X	
<b>OPTIONAL SURFACE FINISHING</b>									
Type:									
		DR - Drainage mat 10 mm a 400 g/m <sup>2</sup>	SA - self-adhesive acrylic layer 100 g/m <sup>2</sup>						
Finishing SA 90° peel strength / EN 1939/PSTC101 After 24 H	Steel	N/25 mm	28	28	28	28	28	28	28
	ABS		27	27	27	27	27	27	27
	PP		5	5	5	5	5	5	5
<b>DIMENSIONS</b>									
Delivered format	board								
Width	cm	240							± 2 cm
Length	cm	100							± 2 cm
<b>PACKAGING AND STORAGE</b>									
Storage	In covered, clean and dry spaces								

The data was measured at the laboratories of RETEX a.s. / CZ, VUT Brno / CZ, Building Testing and Research Institute Bratislava / SK and CZ testing institute s.r.o. / CZ.

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

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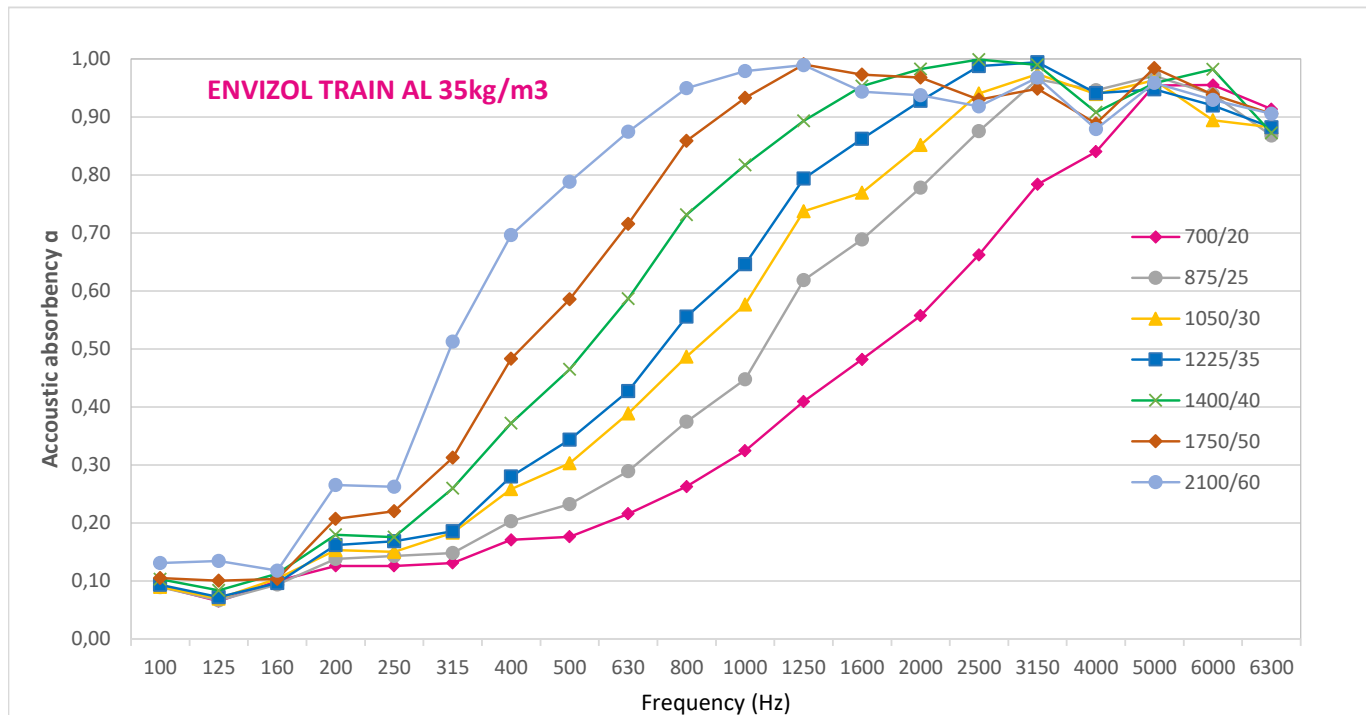
Thermally and acoustically absorbing board



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## Acoustic absorption / ČSN ISO 10534-1



f [Hz]	700/20	875/25	1050/30	1225/35	1400/40	1750/50	2100/60
100	0,09	0,09	0,09	0,09	0,10	0,11	0,13
125	0,06	0,07	0,07	0,07	0,08	0,10	0,13
160	0,10	0,09	0,10	0,10	0,11	0,10	0,12
200	0,13	0,14	0,15	0,16	0,18	0,21	0,27
250	0,13	0,14	0,15	0,17	0,18	0,22	0,26
315	0,13	0,15	0,18	0,19	0,26	0,31	0,51
400	0,17	0,20	0,26	0,28	0,37	0,48	0,70
500	0,18	0,23	0,30	0,34	0,46	0,59	0,79
630	0,22	0,29	0,39	0,43	0,59	0,72	0,87
800	0,26	0,37	0,49	0,56	0,73	0,86	0,95
1000	0,32	0,45	0,58	0,65	0,82	0,93	0,98
1250	0,41	0,62	0,74	0,79	0,89	0,99	0,99
1600	0,48	0,69	0,77	0,86	0,95	0,97	0,94
2000	0,56	0,78	0,85	0,93	0,98	0,97	0,94
2500	0,66	0,88	0,94	0,99	1,00	0,93	0,92
3150	0,78	0,96	0,97	0,99	0,99	0,95	0,97
4000	0,84	0,95	0,94	0,94	0,91	0,89	0,88
5000	0,95	0,97	0,96	0,95	0,96	0,98	0,96
6000	0,96	0,94	0,89	0,92	0,98	0,94	0,93
6300	0,91	0,87	0,88	0,88	0,87	0,91	0,91