



SINCE
1950

TRADITIONAL QUALITY NONWOVENS

ENVIZOL TRAIN AL

Thermally and acoustically absorbing board

OH20
OH25



- 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:




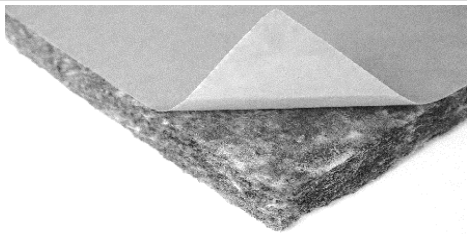
Material Specification
Date of Issue: 20.3.2023

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

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Technical parameters

ENVIZOL TRAIN AL 20, 25kg/m ³		TL30	TL40	TL50	TL60	TL30	TL40	TL50	Tolerance
PHYSICAL PROPERTIES									
Mass per unit area / EN ISO 9864	g/m ²	600	800	1 000	1200	750	1000	1250	± 15 %
Density	kg/m ³	20	20	20	20	25	25	25	± 15 %
Thickness 0,5 kPa / EN ISO 9073-2	mm	30	40	50	60	30	40	50	± 15 %
SOUND INSULATION PROPERTIES									
Acoustic absorption / ČSN ISO 10534-1	Attachment No. 1								
THERMAL INSULATION PROPERTIES									
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 %
FIRE CLASSIFICATION									
ČSN EN 45545-2+A1	R1, R7 and R17	HL3	HL3	HL3	HL3	HL3	HL3	HL3	
Critical heat flux at extinguishment ≥ 20 kW/m ² / 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	
OPTIONAL SURFACE FINISHING									
Type:									
		DR - Drainage mat 10 mm a 400 g/m ²	SA - self-adhesive acrylic layer 100 g/m ²						
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
DIMENSIONS									
Delivered format	board								
Width	cm	240							± 2 cm
Length	cm	100							± 2 cm
PACKAGING AND STORAGE									
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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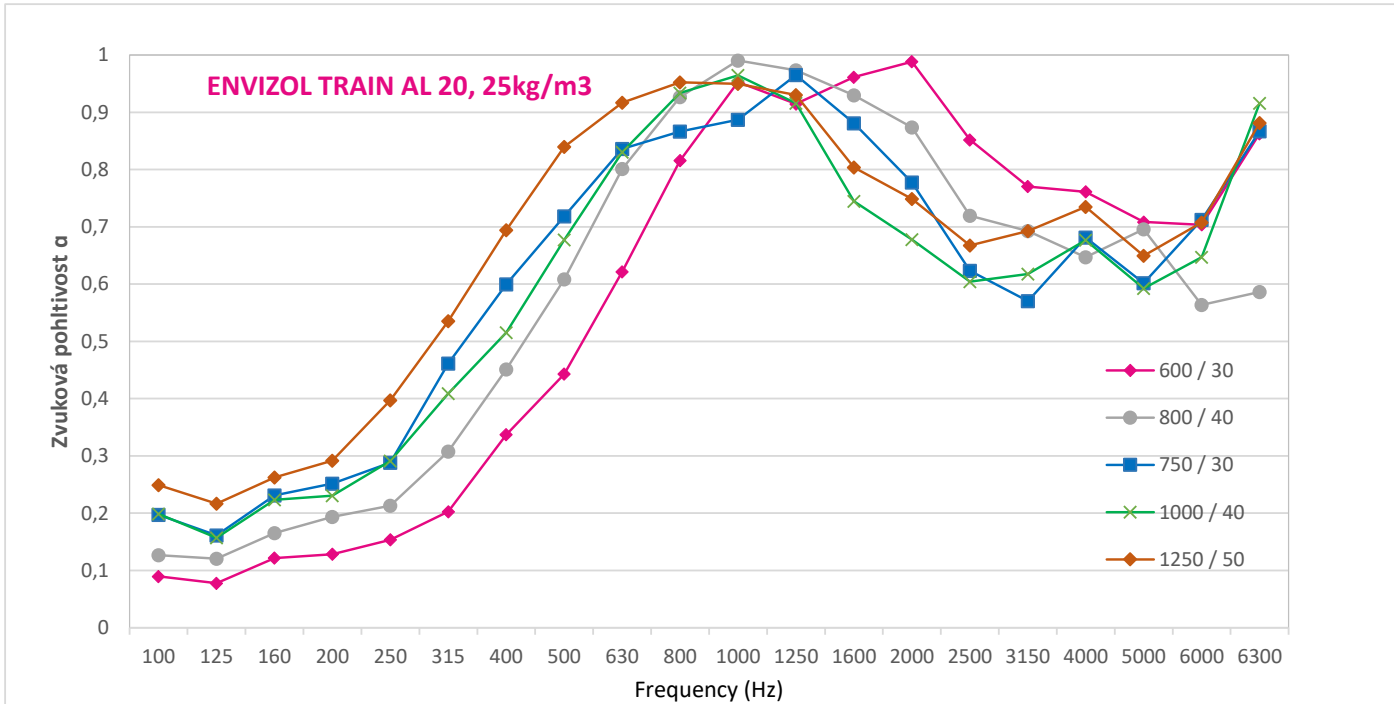
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Acoustic absorption / ČSN ISO 10534-1



f [Hz]	600 / 30	800 / 40	750 / 30	1000 / 40	1250 / 50
100	0,09	0,13	0,20	0,20	0,25
125	0,08	0,12	0,16	0,16	0,22
160	0,12	0,17	0,23	0,22	0,26
200	0,13	0,19	0,25	0,23	0,29
250	0,15	0,21	0,29	0,29	0,40
315	0,20	0,31	0,46	0,41	0,54
400	0,34	0,45	0,60	0,52	0,69
500	0,44	0,61	0,72	0,68	0,84
630	0,62	0,80	0,84	0,83	0,92
800	0,82	0,93	0,87	0,93	0,95
1000	0,95	0,99	0,89	0,96	0,95
1250	0,91	0,97	0,96	0,92	0,93
1600	0,96	0,93	0,88	0,74	0,80
2000	0,99	0,87	0,78	0,68	0,75
2500	0,85	0,72	0,62	0,60	0,67
3150	0,77	0,69	0,57	0,62	0,69
4000	0,76	0,65	0,68	0,68	0,73
5000	0,71	0,70	0,60	0,59	0,65
6000	0,70	0,56	0,71	0,65	0,71
6300	0,86	0,59	0,87	0,92	0,88