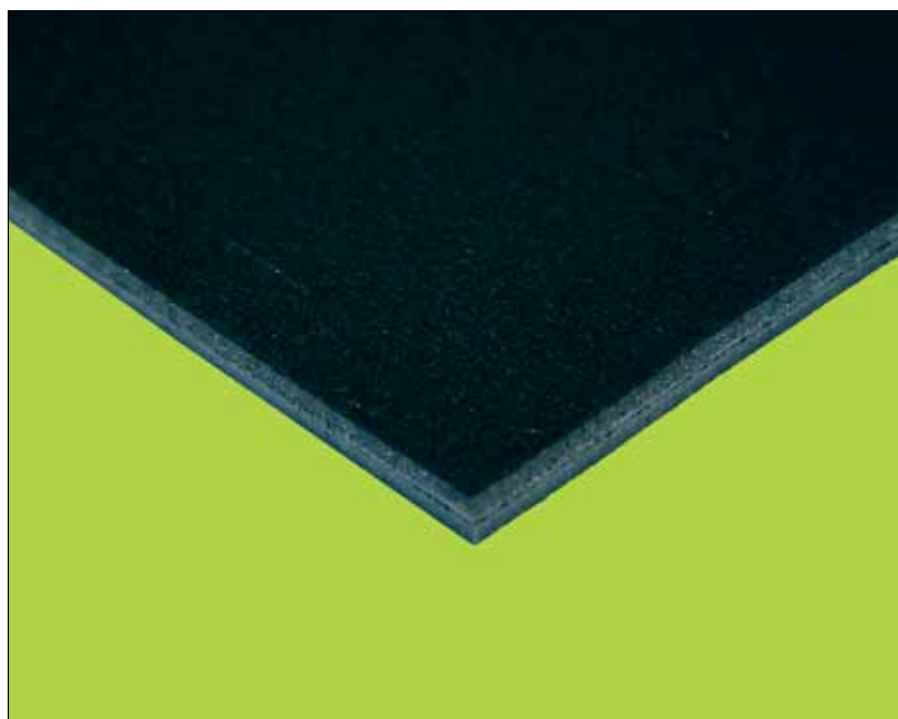


AKUSTIK[®] - PLUS







MATERIAL

Akustik[®] - Plus is the expanded reticulated polyethylene with closed cell structure, combined with a sound-insulating and vibration-abating gum mass.

Thanks to this stratification we obtained a flexible material with a reduced thickness, a very big mass and an excellent acoustical insulation.

LAYERS COMPOSITION

	3 mm
	4 Kg
	3 mm
	5,5 Kg

DIMENSIONI STANDARD

Width: 1000 mm

Length: 5/10 m

SOUND-INSULATING AND NOISE-ABATING (RUMBLE, FOOTFALLS, ETC.)
PRODUCT IN EXPANDED RETICULATED POLYETHYLENE WITH CLOSED CELL STRUCTURE, COMBINED WITH A HIGH-DENSITY GUM MASS





FIELDS OF APPLICATION

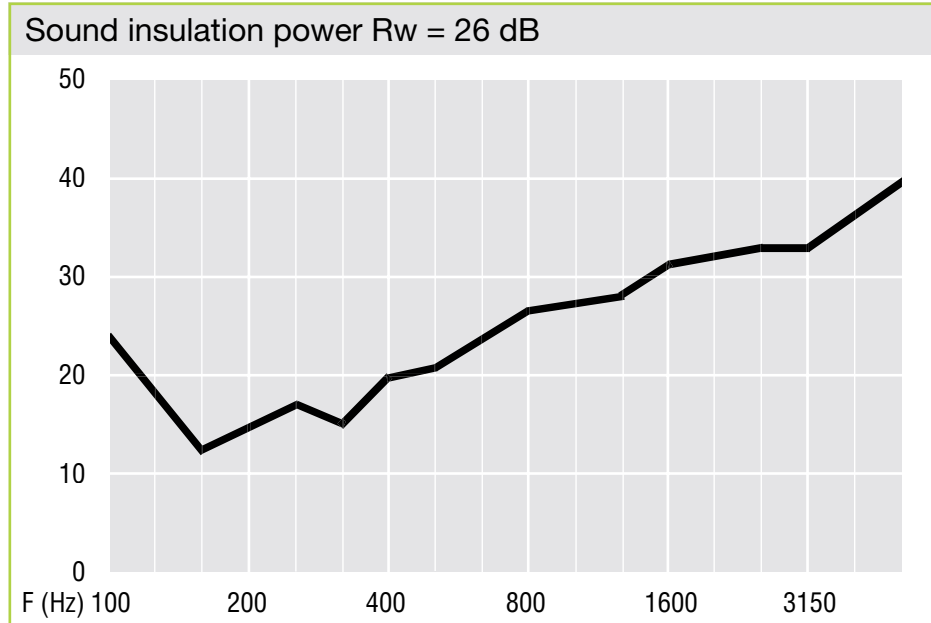
Akustik®-Plus is widely used in housing and commercial construction, for sound insulation treatment of walls, ceilings, piping systems and flooring; in the industrial sector for engine compartment linings and boxes.

It is also used as noise-abating material for floating floors (footfalls and transmission of noises from impact); furthermore, it increases the heat-insulating effect of floorings.

INSTALLATION

For flooring it can be simply laid down, while for walls and ceilings NDA Koll glue is required. To fix it permanently the use of specific nogs is recommended.

Akustik® Plus can be supplied with one self-adhesive side.



Surface area of test element = 1.21 m²
L1= Mean level of sound pressure in disturbing chamber
L2= Mean level of sound pressure in disturbing chamber
D = L1 - L2 = acoustic insulation and

background noises correction UNI ISO 140/3
T = Mean reverberation time in disturbed
F = 10 log (S x T) / (0.16 x V)
R = D+F = sound insulation power
 Volume of disturbed chamber = 51.50 m³

Frequency	background	L1	L2	D	T	F	R
Hz	dB	dB	dB	dB	sec	dB	dB
100	27,80	79,90	49,70	30,2	1,42	-6,8	23,4
125	25,60	77,90	53,80	24,1	1,29	-7,2	16,9
160	26,20	77,40	58,60	18,8	1,65	-6,2	12,6
200	15,80	81,00	58,20	22,8	1,17	-7,6	15,2
250	16,40	81,80	57,50	24,3	1,56	-6,4	17,9
315	16,80	83,60	60,10	23,5	1,10	-7,9	15,6
400	10,60	82,30	55,80	26,5	1,25	-7,4	19,1
500	8,20	83,20	56,20	27,0	1,27	-7,3	19,7
630	4,60	85,90	56,40	29,5	1,42	-6,8	22,7
800	3,20	84,70	52,00	32,7	1,26	-7,3	25,4
1000	2,60	84,90	50,20	34,7	1,11	-7,9	26,8
1250	3,80	83,80	48,10	35,7	1,06	-8,1	27,6
1600	3,00	81,90	43,20	38,7	1,13	-7,8	30,9
2000	3,70	82,20	41,50	40,7	1,12	-7,8	32,9
2500	4,50	83,10	41,10	42,0	1,08	-8,0	34,0
3150	5,20	83,30	41,40	42,9	1,08	-8,0	33,9
4000	5,90	84,40	39,80	44,6	0,97	-8,5	36,1
5000	6,60	85,00	37,10	40,4	0,89	-8,8	39,6
dB(A)	19,80	94,8	61,5	33,3	1,20	-7,5	25,8