

AKUSTIK® - METAL SLIK ART. 6

MATERIAL

Combination of two layers of impermeable reticulated polyethylene foam separated by a 0.35 - 0.50 mm thick lead sheet to absorb low and high frequencies.

RETICULATED POLYETHYLENE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER

COMPOSITION



Three-layer product:

A Layer of reticulated polyethylene foam, approx. 3 mm (anti-vibration)

B Lead from 0.35 to 0.50 mm

C Anti-vibration layer as in A



DIMENSIONS

Length: 3000 mm

Width: 1000 mm

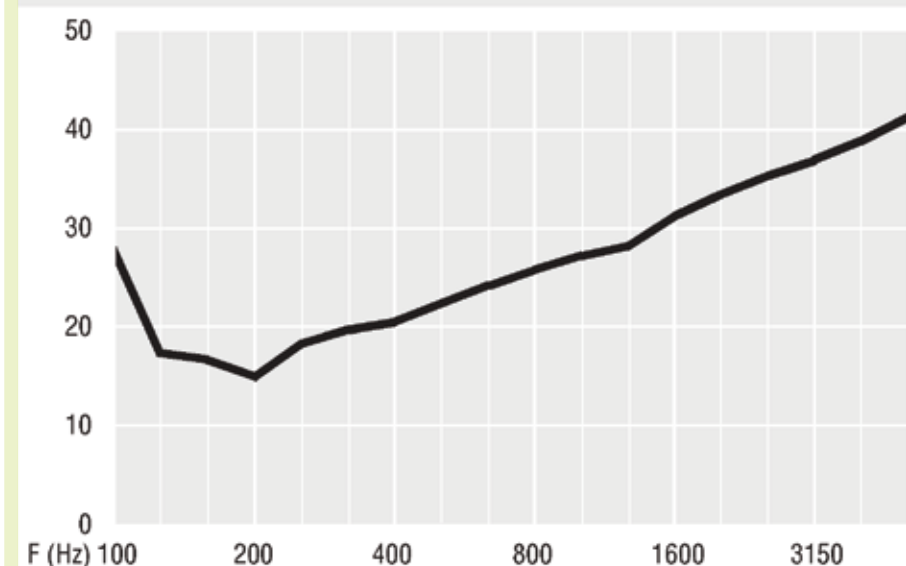
Thickness: 6 mm

Other thicknesses and formats available on request.

Size tolerance to M4 DIN 7715 standard, Part 2.

Potere fonoisolante $R_w = 27,5$ dB

certif. CSI n. DC05/011b/01



Surface area of test element = 1.00 m^2

$L1$ = mean level of sound pressure in disturbing chamber

$L2$ = mean level of sound pressure in disturbed chamber

$D = L1 - L2$ = acoustic insulation

T = mean reverberation time in disturbed chamber

$F = 10 \log (S \cdot T) / (0.15 \cdot V)$

$R = D + F$ - sound insulation power Volume of disturbed chamber = 83.00 m^3

REACTION TO FIRE

On request Class 1 to CSE RF/2/75/A and CSE RF 3/77 standards. DIN 75200 MVSS 302.

FIELDS OF APPLICATION

Insulation of rooms, engine compartments, piping, floors, partition walls, machinery, conduits in general, etc. Recommended in particular when water or oil particles, etc are present in the vicinity of the panel. Suitable for use as under flooring in civil constructions when it is desired to prevent sound entering or leaving a given environment.

Whenever the technical specification calls for greater protection from external agents such as oil and grease etc., the product can be supplied with a protective film applied to the surface. The anti-vibration layers consist of highly flexible foam with high resistance to compression.

INSTALLATION

Use NDA Koll glue on flat and curved surfaces of any kind (free of dust, oil and grease) The product can also be supplied with self-adhesive surface to facilitate application.

Frequenza Hz	fondo dB	L1 dB	L2 dB	D dB	T sec	F dB	R dB
100	22,40	80,20	45,60	34,6	1,07	-8,0	26,6
125	23,70	77,20	53,70	23,5	1,75	-5,9	17,6
160	24,80	78,60	56,40	22,2	2,14	-5,0	17,2
200	23,30	80,30	58,70	21,6	1,43	-6,8	14,8
250	23,90	81,20	55,70	25,5	1,35	-7,0	18,5
315	18,00	83,80	57,30	26,5	1,45	-6,7	19,8
400	12,10	83,20	56,00	27,2	1,34	-7,1	20,1
500	10,20	83,70	55,40	28,3	1,58	-6,3	22,0
630	8,50	87,00	56,50	30,5	1,44	-6,7	23,8
800	6,30	84,60	52,80	31,8	1,38	-6,9	24,9
1000	4,90	84,00	49,80	34,2	1,26	-7,3	26,9
1250	3,50	82,30	46,00	36,3	1,13	-7,8	28,5
1600	3,60	81,70	43,00	38,7	1,17	-7,6	31,1
2000	4,30	81,90	40,90	41,0	1,07	-8,0	33,0
2500	5,00	82,60	38,80	43,8	1,03	-8,2	35,6
3150	5,70	82,30	36,10	46,2	0,84	-9,1	37,1
4000	6,50	82,80	34,10	48,7	0,81	-9,2	39,5
5000	7,20	83,00	31,80	51,2	0,69	-9,9	41,3
dB(A)	21,40	94,2	60,8	33,4	1,36	-7,0	26,4