

AKUSTIK[®] - GIPS Art. 2



PLASTERBOARD WITH
A LEAD RUBBER
COATING ON ONE
SIDE, FOR SOUND
INSULATION AND
ANTIVIBRATION
EFFECT

MATERIAL

Akustik[®] -Gips Art.2 is a special plasterboard with a lead rubber coating on one side whose density is very high (it doesn't contain either lead or bitumen, non-toxic and odourless material). Such a combination doesn't allow the plasterboards to vibrate and increases the mass of the whole structure, improving walls and ceilings sound absorption.

COMPOSITION

	A 2,5 mm/5,5 Kg
	B 12,5 mm

STANDARD SIZE

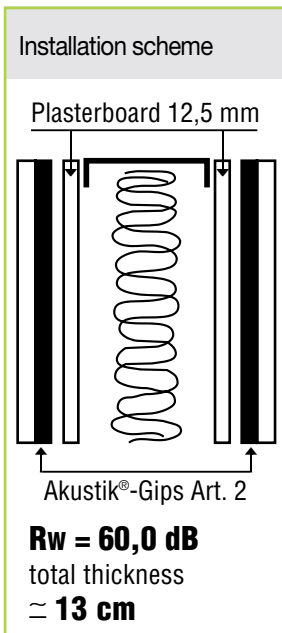
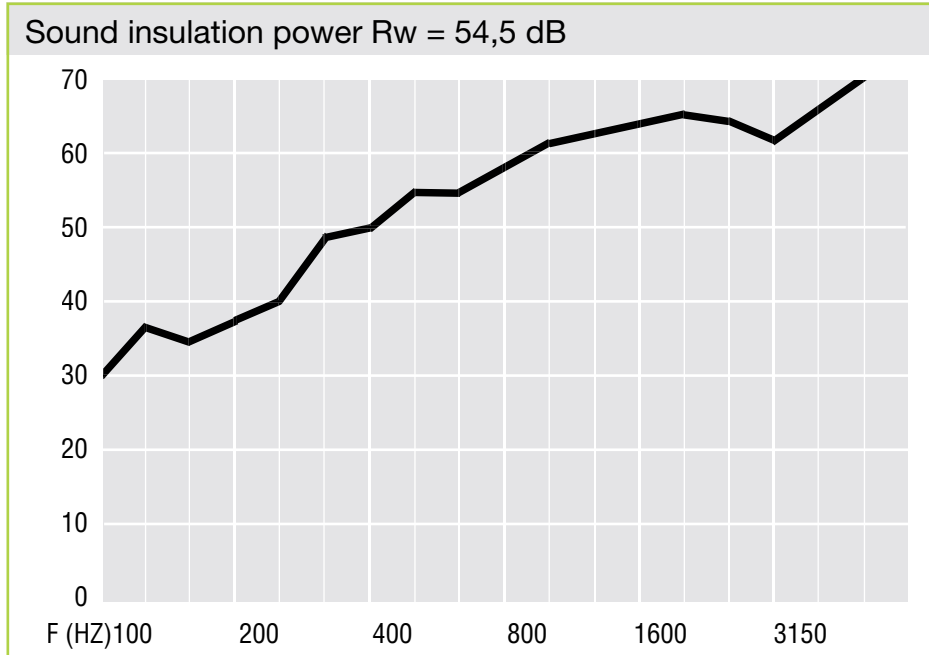
Width:
1200 mm
Length:
2000 or 3000 mm
Thickness:
(appr.) 16 mm

FIELDS OF APPLICATION

Akustik®-Gips Art.2 is widely used for partition walls and false ceilings sound insulation, finally where a thin material is required.

INSTALLATION

Akustik®-Gips Art.2 is applied as a normal plasterboard.



Surface area of test element = 13.40 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 = $10 \log (S \times T) / (0.16 \times V)$

R = D+F = sound insulation power

Volume of disturbed chamber = 87.61 m³

Frequency Hz	background dB	L1 dB	L2 dB	D dB	T sec	F dB	R dB
100	27,90	78,50	55,70	22,8	4,97	6,8	29,6
125	26,80	81,10	53,20	27,9	6,68	8,1	36,0
160	25,30	76,20	49,00	27,2	7,39	8,5	35,7
200	17,10	82,10	53,10	29,0	7,37	8,5	37,5
250	16,30	83,70	51,20	32,5	7,04	8,3	40,8
315	12,20	84,10	43,50	40,6	7,11	8,3	48,9
400	9,10	82,80	42,20	40,6	8,83	9,3	49,9
500	6,80	86,50	40,70	45,8	7,45	8,5	54,3
630	5,40	86,10	39,80	46,3	6,41	7,9	54,2
800	2,90	87,00	36,50	50,5	5,35	7,1	57,6
1000	2,20	85,90	31,50	54,4	4,91	6,7	61,1
1250	3,60	84,20	28,30	55,9	4,72	6,5	62,4
1600	3,20	83,10	25,10	58,0	4,44	6,3	64,3
2000	3,90	83,90	24,30	59,6	3,88	5,7	65,3
2500	4,70	84,40	24,70	59,7	3,33	5,0	64,7
3150	5,40	84,30	25,30	59,0	2,71	4,1	63,1
4000	6,20	85,50	22,30	63,2	2,36	3,5	66,7
5000	6,80	86,10	19,10	67,3	1,9	2,6	69,9
dB(A)	19,40	96,0	48,9	47,1	5,44	7,2	54,3