

ECOROLL®

MATERIAL

Ecoroll® is obtained from the agglomeration of vulcanized rubber micro-granules (density 720 kg/m³). It is an ecological material composed of recycled raw materials and so it is 100% recyclable. Ecoroll® has a great sound and thermal insulating power, thanks to its elasticity it is a very good vibration damper and it also has a very high resistance to rending, tearing, compression and abrasion.

DIMENSIONS

Rolls width: 1000 mm

Thickness : 3 mm, 4 mm, 5 mm, 6 mm, 8 mm

Other thicknesses and dimensions on request.

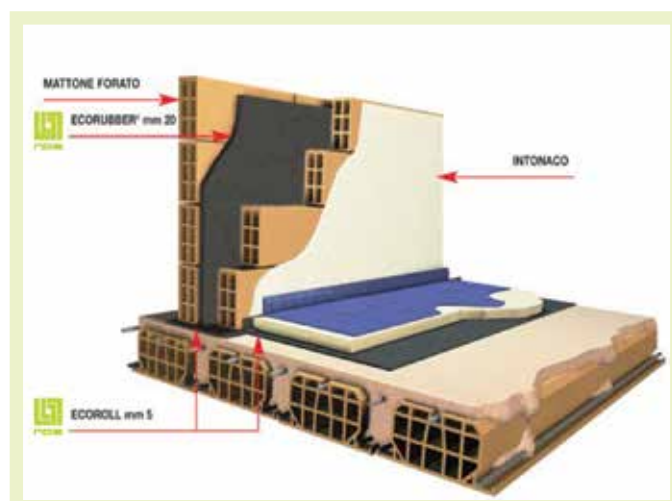
Size Tolerance to DIN 7715 standard, part 2.

SOUND-INSULATING AND ECOLOGICAL ROLL FOR ANY KIND OF FOOTFALL NOISES



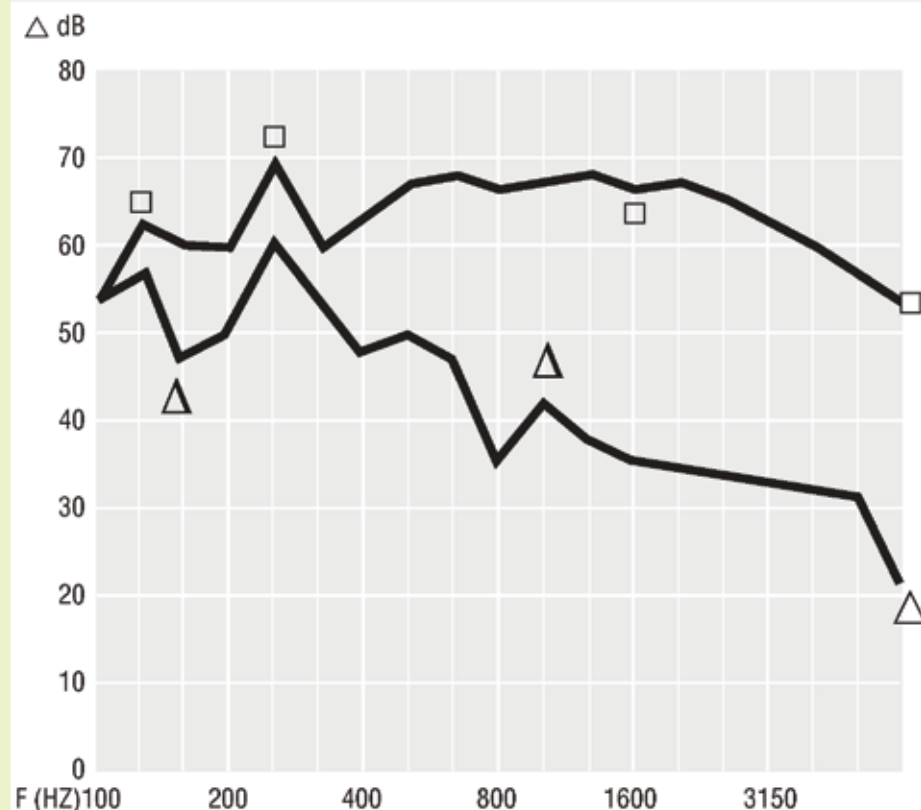
REACTION TO FIRE

Class B2 DIN 4101 (normal flammability).



Misura dell'isolamento al calpestio normalizzato (Ln) Ecoroll 5 mm.

certif. CSI n. 0042/DC/ACU/02



Dynamic stiffness measurement value 5 mm: 55 MN/m³

Impact sound insulation of floors: ΔL : 24,5 dB

Frequenza Hz	fondo dB	L1 dB	T sec	Ln dB	Li dB	T sec	Ln dB
100	18,4	57,3	1,56	54,6	57,3	1,56	54,6
125	23,6	64,0	1,38	61,8	59,2	1,38	57,0
160	13,3	64,0	2,01	60,1	51,3	2,01	47,4
200	15,2	62,4	1,44	60,0	51,5	1,44	49,1
250	11,6	70,8	1,55	68,1	63,4	1,55	60,6
315	11,7	66,8	3,13	61,0	60,0	3,13	54,2
400	8,4	67,6	1,84	64,1	50,6	1,84	47,1
500	6,9	70,0	1,53	67,3	48,3	1,53	45,6
630	5,2	70,4	1,44	67,9	51,7	1,44	49,3
800	3,0	69,5	1,29	67,5	49,3	1,29	47,4
1000	2,2	68,9	1,07	57,8	36,8	1,07	35,7
1250	2,4	69,5	1,03	68,5	42,9	1,03	41,9
1600	2,9	68,4	1,01	67,5	39,1	1,01	38,2
2000	3,5	69,0	1,10	67,8	37,3	1,1	36,0
2500	4,5	67,5	0,94	66,9	35,2	0,94	34,7
3150	5,2	64,7	0,94	64,2	34,2	0,94	33,6
4000	5,8	61,2	0,90	60,8	32,7	0,9	32,3
5000	6,5	56,3	0,80	56,5	20,8	0,8	21,0
dB(A)	17,1	78,8	1,26	76,9	59,4	1,26	57,6

FIELDS OF APPLICATION

Ecoroll is widely used under the flooring in order to improve footfall soundproofing. It can be installed in any kind of construction (houses, offices, hospitals, trade centres, etc.) as it offers an excellent sound insulation, better than what the law provides for.

INSTALLATION

Ecoroll must be installed directly over the rough floor, its extremities must cover up the bottom of the perimetric walls and the installation must look seamless. Always use AKUSTIK® BORDER perimeter band.

To have a good result, we suggest to place a layer of polyethylene under the rough floor. Ecoroll can also be installed under the wooden floors.