



CHARACTERISTICS

CLEMPOFLEX LD is a vibration – damping materials produced from recycled rubber particles which are hot pressed with special binders. Size, thickness and density of these sheets are manufactured according to high technical requirements to damp impact and air noise and vibrations.

SPECIFICATIONS

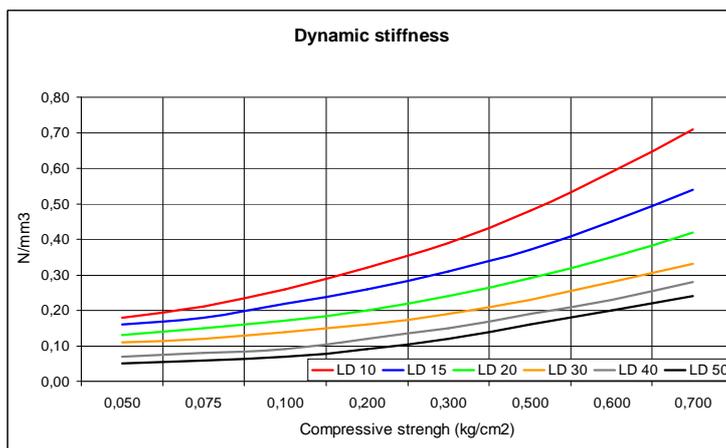
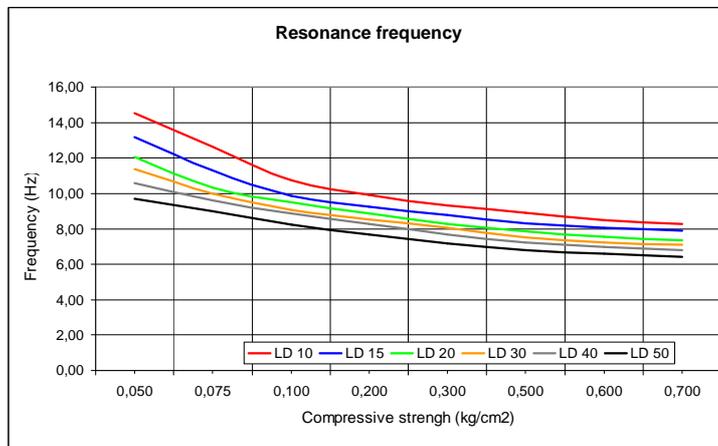
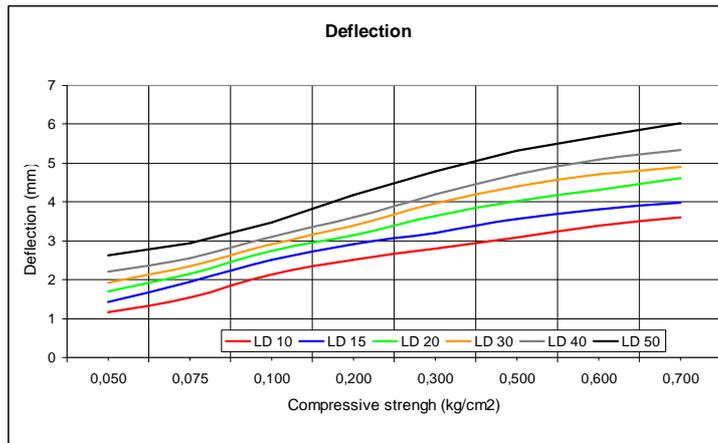
Nature	Recycled rubber and binders.
Density	700 kg/m ³
Thermal resistance	- 80 °C to + 210 °C
Thermal conductivity λ	0,113 w/m ^o C
Oils and grease resistance	Very good
Acids resistance	Good.
Superficial tolerance	± 2 mm
Weight tolerance	± 4 %
Electric isolation	Non conductive material.
Appearance:	

Products	Sizes of sheets (mm)	Weight (kg/m ²)
Clempoflex LD 10	10 x 1000 x 1000	7
Clempoflex LD 15	15 x 1000 x 1000	10,5
Clempoflex LD 20	20 x 1000 x 1000	14
Clempoflex LD 30	30 x 1000 x 1000	21
Clempoflex LD 40	40 x 1000 x 1000	28
Clempoflex LD 50	50 x 1000 x 1000	35

PROPERTIES

CLEMPOFLEX LD has the following advantages:

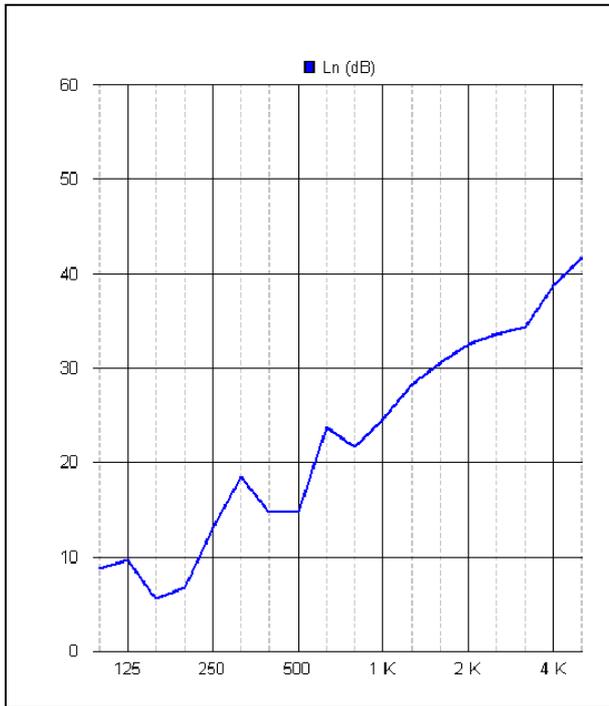
- Designed to reduce impact noise from low to high loads.
- Excellent impact and airborne performance.
- Offers long term performance without collapse or bottoming out under high point loads.
- Minimal creep, even under high loads.
- Resistant to ageing and deformation.
- Quick and easy to install.
- High quality and exact material thickness guaranteed.
- Suitable for use with underfloor heating
- Protects expansion joints
- Mildew and moisture proof.



APPLICATIONS

Reducing the structural vibrations caused by machinery and industrial plant while running will improve the quality of the operator's life and extends the durability of buildings and installations.

So, **CROXON** has designed a vibration – damping material which stands out because of its efficiency and ease of use. Its application solves the problems resulting from the vibrations created by most types of noisy machinery and equipment as hammers, presses, looms, pumps, generators and refrigeration systems.



Frecuencia f, (Hz)	Ln (tercios de octava), dB
100	8,8
125	9,7
160	5,6
200	6,8
250	13,1
315	18,5
400	14,8
500	14,8
630	23,7
800	21,6
1000	24,5
1250	28,3
1600	30,5
2000	32,5
2500	33,6
3150	34,4
4000	38,7
5000	41,7

Clempoflex LD 15

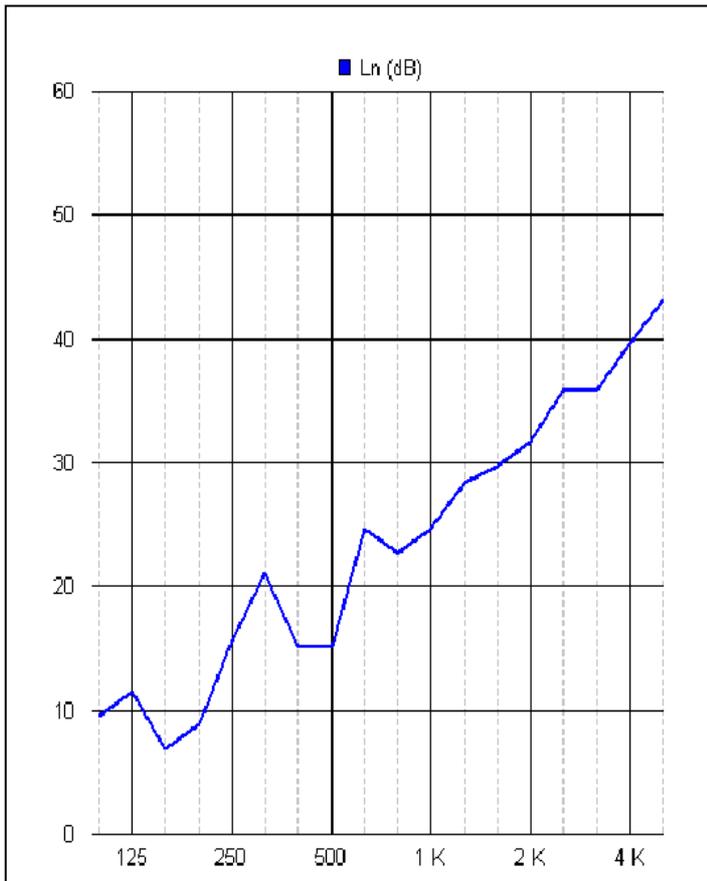
Evaluation according to ISO 717-2 of ΔL_w (dB): 25



Frecuencia f, (Hz)	Ln (tercios de octava), dB
100	10,7
125	12,1
160	5,3
200	6,4
250	15,6
315	20,4
400	15,3
500	15,4
630	23,4
800	23,0
1000	25,8
1250	29,4
1600	31,5
2000	34,8
2500	37,4
3150	39,1
4000	40,9
5000	43,9

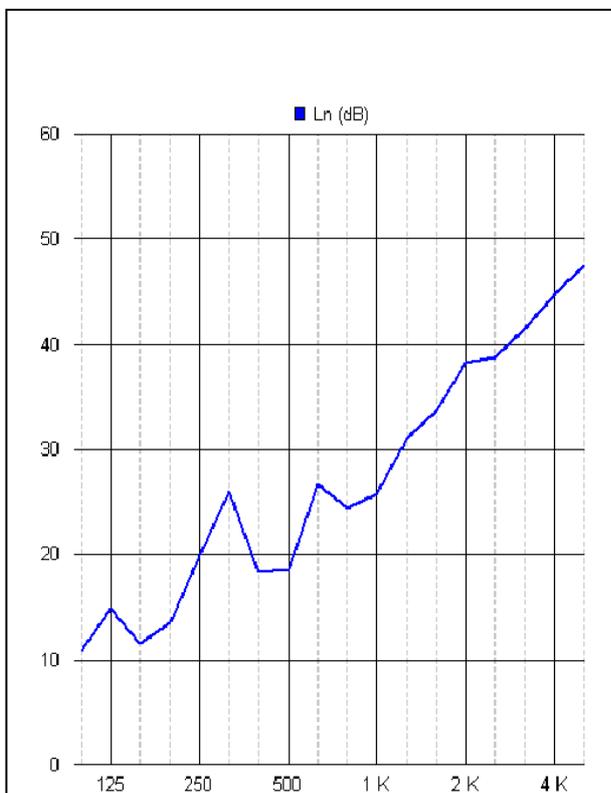
Clempoflex LD 20

Evaluation according to ISO 717-2 of ΔL_w (dB): 27



Frecuencia f, (Hz)	Ln (tercios de octava), dB
100	9,6
125	11,5
160	6,9
200	8,9
250	15,7
315	21,1
400	15,3
500	15,1
630	24,7
800	22,7
1000	24,7
1250	28,4
1600	29,8
2000	31,7
2500	35,8
3150	36,0
4000	39,7
5000	43,2

Clempoflex LD 30
Evaluation according to ISO 717-2 of ΔL_w (dB): 26



Frecuencia f, (Hz)	Ln (tercios de octava), dB
100	10,9
125	14,9
160	11,5
200	13,6
250	19,9
315	26,0
400	18,3
500	18,6
630	26,7
800	24,4
1000	25,7
1250	31,0
1600	33,7
2000	38,2
2500	38,8
3150	41,5
4000	44,7
5000	47,5

Clempoflex LD 40
Evaluation according to ISO 717-2 of ΔL_w (dB): 30

WHERE TO USE

CLEMPOFLEX LD is employed to make floating floors in theatres, recording studios, discotheques, pubs, gymnasiums, cinemas, machinery rooms, industries, etc. to disconnect concrete floors and as deadening element in those applications where be necessary a discontinuity of the buildings elements.

HOW TO INSTALL

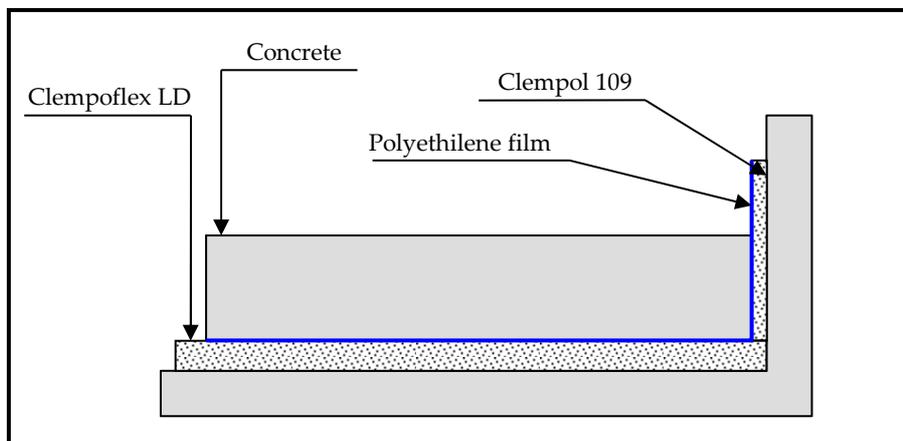
Before placing plates **CLEMPOFLEX LD**, the surface should be clean and without construction waste. In case of a significant surface irregularity, it is must be corrected and leveled.

On the previous surface prepared **CLEMPOFLEX LD** panels are placed at head, side by side, making sure that the joints are smallest possible width.

It is essential to place skirtings - **CLEMPOL 109** - around the perimeter of the floating slab and any structural element or facility passing through the ground or floor in order to wean the floating slab of these items and avoid the sound isolation.

Once placed **CLEMPOFLEX LD** panels, extended polyethylene film and trace it on the areas about 25 cm to prevent the concrete from goes through the panel **CLEMPOFLEX LD** joints.

Proceed to install the metal mesh and pouring concrete to form the floating slab. Once cured, install the flooring according to the instructions of the manufacturer.



CLEMPOFLEX LD instalation details



This products considers all aspect of reducing environmental impact through Eco-Design, using the methologic based on EDECON Proyect funded by the European Commission.

Information in this document and otherwise supplied to users is based on our general experiences and is given in good faith but, because of particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or implied with respect to such information. Specifications are subject to change without notice.

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