

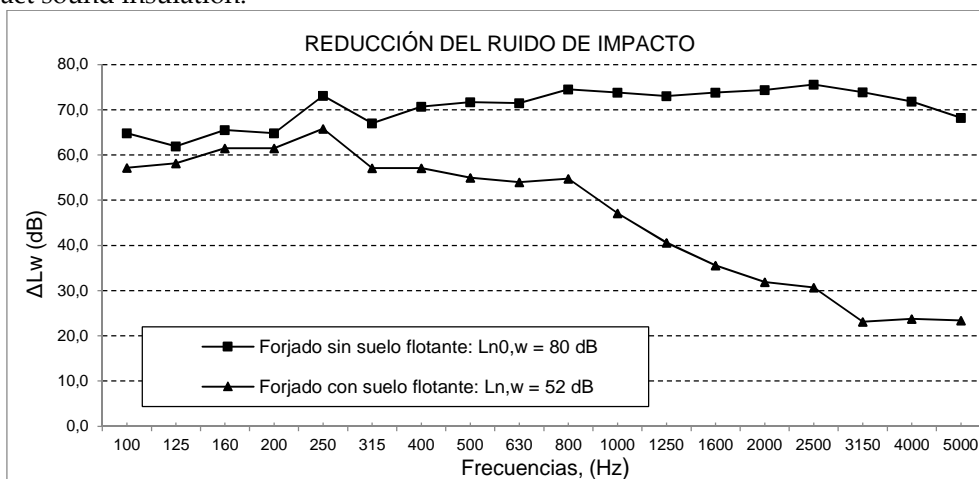


## FEATURES

CROXON FO is a product based particle board flexible polyurethane foam of different densities, forming a homogeneous and stable composition and specially designed to reduce impact noise. A porous cell structure and very peculiar physical and mechanical characteristics. The product is recycled and recyclable.

## SPECIFICATIONS

Material		
Density	120 ±20% kg/m <sup>3</sup>	EN ISO 845
Compressive strength	40 ±20% kPa	ISO 3386-1
Tensile strength	≥ 132,7 kPa	ISO 1798
Elongation at break	≥ 75,4 %	ISO 1798
Permanent deformation	75 % 1,30 %	ISO 1856
Reaction to fire	mm/min.	ISO 3795
Therman conductivity	0.0385 W/(mK)	EN 12667
Water absorptio n	10,65 kg/m <sup>2</sup>	NP EN 1609
Water vapor permeability	36,6 x 10 <sup>-12</sup> kg (m.s.Pa)	ISO 12572
Presentation sheets	10 x 1200 x 2000 mm.	
Impact sound insulation:		



Standardized test under concrete slab 7 cm thick on 10 mm Croxon FO according to UNE-EN ISO 140-8:1998 y UNE EN ISO 717-2:1997. ΔLw = 28(dB)

F(Hz)	Ln,0 (dB)	Ln,w (dB)	F(Hz)	Ln,0 (dB)	Ln,w (dB)	F(Hz)	Ln,0 (dB)	Ln,w (dB)
100	64,8	57,2	400	70,7	57,1	1600	73,8	35,6
125	61,9	58,2	500	71,7	55,0	2000	74,4	31,9
160	65,5	61,5	630	71,5	54,0	2500	75,6	30,7
200	64,8	61,5	800	74,5	54,8	3150	73,9	23,1
250	73,1	65,8	1000	73,8	47,1	4000	71,8	23,8
315	67,0	57,1	1250	73,0	40,6	5000	68,2	23,4

## APPLICATIONS

CROXON FO is mainly used for soundproofing, both for reducing airborne noise as the impact on residential homes, hotels, halls, gyms, schools, offices, hospitals, clinics, etc.

Complementing the acoustic isolation of floating floors for low, medium and high frequencies in all commercial buildings, residential, restaurants, supermarkets, pubs buildings, etc. As in housing rehabilitation.

## PROPERTIES

- High insulation against airborne and impact noise.
- No age or deteriorate over time.
- Its physical properties are maintained over time.
- Due to its low thickness and high density high elastic isolates are achieved.
- Very easy to install and cut.
- Excellent thermal conductivity.
- It can be used in radiant floor heating.
- Unaffected microorganisms.
- Maintains its acoustic properties over time.
- The open cell structure prevents physical properties are altered.

## HOW TO INSTALL

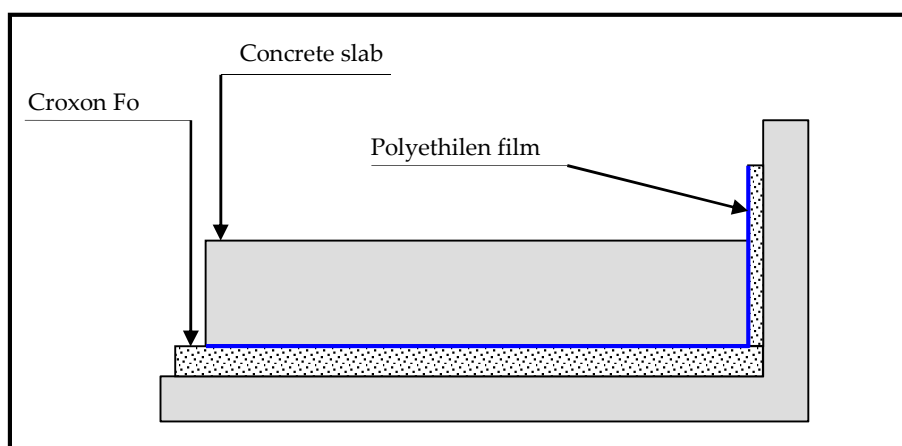
Floor formation in noise impact, values increased reduction may vary according to the thickness and density of the solution.

Before placing the plates CROXON FO, the surface should be clean and free of debris force. If a significant unevenness, is should be corrected and leveled.

On the anterior surface previously prepared panels will be placed CROXON FO butt, side by side, making sure the joints are the smallest possible width.

In order to prevent lateral acoustic transmission, it should trace the CROXON FO about 12 mm by walls, pillars and vertical meetings to wean floating slab and prevent sound bridges.

Proceed to install the metal mesh and pouring concrete to form the floating slab. Once set, install the floor as instructed by the manufacturer.



CROXON FO detail installation



## **PRODUCT SAFETY AND ENVIRONMENT**

Not necessary wardrobe item or items of special protection for product handling. Polyurethane foam at room temperature presents no health hazard. The product is not biodegradable and breaks down slowly. In case of fire, the particles carried by water are safe and living organisms are not at risk.

The product should be stored indoors, protected from the weather and away from heat sources (cigarettes, open flame, electric heaters, etc.). The UV rays could cause discoloration of the product surface without loss of its physical properties.

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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