

## IMPACTODAN 5

Impactodan 5 is a cross-linked polyethylene sheet with closed cells structure. Its internal structure provides elasticity, so it is used under concrete in order to reduce the impact noise.



Impactodan 5 acoustically works as shock absorber in mass-spring-mass system.

### TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
Thickness	5	mm	EN 1923
Thickness tolerance	< 10	%	EN 823
Length and width tolerance	< 1	%	EN 822
Reduction of transmitted impact noise, $\Delta L_n$	20	dB	EN 140-8 EN 717-2
Impact sound pressure level $L'_{nT,w}$ , on site	< 60	dB	EN 140-7 EN 717-2
Dynamic stiffness	90	MN/m <sup>3</sup>	EN 29052-1
Density	27 ± 2	kg/m <sup>3</sup>	EN 845
Hysteresis load	> 1.6	Nm	EN 3386-1
Compression strength to 25%	> 23 ± 2	kPa	UNE EN ISO 3386-1
Compression set 24 h, 50% comp., 23°C	< 32	%	EN 1856
Tensile strength	> 180	kPa	EN 1798
Reaction to fire	F	Euroclase	EN 13501-1
Thermal conductivity	0.040	w/mK	EN 12667 EN 12939
Water diffusion factor	> 2000	-	EN 12086
Airborne sound insulation improvement, $\Delta R_w$	8	dB	EN 140-16

### STANDARDS AND CERTIFICATION

Document of technical Compliance DIT 439 R/10 "System for the Reduction of Impact Noise, IMPACTODAN"  
Acoustic certifications resulting from approved laboratory tests.

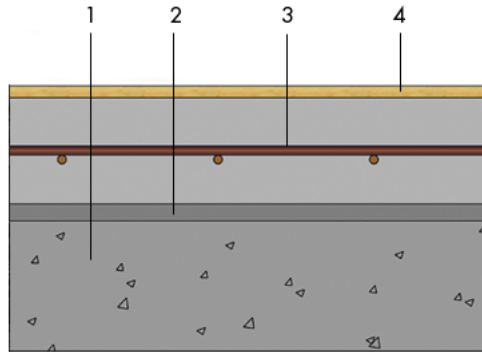
Laboratory	Test (EN 140-3) No	Result (EN 717-2) $\Delta L_n$
LABEIN	B 130 124 V8	21 dB
LABEIN	B 130 104 V5	20 dB

### SCOPE

- Acoustic insulation against airborne and impact noise of supports between different users in residential buildings or facilities in urban areas, like houses, hotels, hospitals, etc.
- Insulation addition of floating floors against low-middle and high frequencies on all kind of commercial premises such as restaurants, supermarkets, areas with music, etc.
- Renewal of floors in residential buildings.

## PRESENTATION

PRESENTATION	VALUE	UNIT
Length	50	m
Width	2	m
Total thickness	5	mm
Diameter	60	cm
Product code	620005	-



1. floor
2. Impactodan
3. floating layer
4. covering

## INSTRUCTION FOR USE

An installation of the Impactodan 5 is shown in the following pictures:



1. Extend.
2. Seal overlap.
3. Vertical overlap.
4. Protect installations.
5. Check.
6. Pour the mortar.

## INDICATIONS AND IMPORTANT RECOMMENDATIONS

- Before pouring down the mortar, check that the surface is at the same level on all the area, that the junction with the walls is equally covered by IMPACTODAN, that pillars are wrapped with it and all elements passing through the support or emerging from it.
- The use of IMPACTODAN 10 is recommended if the support compression layers is irregular.
- The floating mortar must be sufficiently resistant in order not to crack.
- As floating floors have anti-dampness materials, the curing time of the mortar is longer. It is recommended to step on the mortar 15-20 days after having poured it down.
- The doors elements must not perforate the floating mortar.
- With self levelling mortars the IMPACTODAN sheet must stay against the floor perfectly overspread without wrinkles.
- Check the product's technical sheet on safety.
- For further information, please contact our technical staff.

**WARNING**

The information that appears in the following document makes reference to the uses and utilities of danosa's products and systems, and it is based on the knowledge that have been learnt until present, by Danosa. This is only possible if products have been stored and used in an appropriate way.

Nevertheless, Danosa is not responsible for unsuitable uses of the products neither any other facts, such as meteorological facts. So Danosa is just responsible for the quality related to the provided products.

Danosa reserves the right to carry out modifications without previous notice.

The values that appear in the technical sheet are the results of the tests that have been performed in our laboratory. April 2012.

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