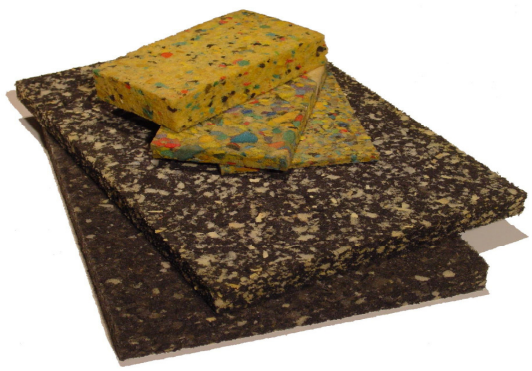
Technical Data Sheet

I-PHONE

I-PHONE is a supple acoustic sheet, made from polyurethane foam with open cells. It is particularly recommended for insulation reinforcement of walls and ceilings, and for decoupling of floors.



COMPOSITION :

Rebonded flexible foam, made from polyurethane foam, compressed to variable densities and agglomerated with a chemical binder.

ADVANTAGES :

- Very high acoustic and thermal insulation.
- High noise absorption : improvement of hearing comfort.
- Low compressibility.
- Very slow ageing.
- Very good properties in decoupling and loss of vibrations and shocks.

TECHNICAL DATAS :

	floating floors	walls/ceilings
Dimensions :	2000 x 1000 mm	1000 x 600 mm
Standard thicknesses:	10 mm	40 mm
Standard densities:	250 kg/m³	80 kg/m³

Any other dimensions and densities on request.

Fire-retardant : M4

ACOUSTIC PERFORMANCES :

i-Phone 10 mm 250 kg/m³ (floors) : category **Ia** according to the NBN S01-400 standard, gain > 30 dBA on reduction Ln (gain measured according to NF S31-053).

i-Phone 40 mm 80 kg/m³ (walls or ceilings) : Improvement of the transmission loss, category **IIa** according to the NBN S01-400 norm, so (data measured by CSTC) :

Improvement of the transmission loss Rw I-PHONE 40mm + gypsum board 10mm						
frequencies (Hz)	125	250	500	1000	2000	4000
Gain of noise loss (dB)	5	14	22	32	32	30

INSTALLATION :

Floating floors : laying of I-Phone before the under-floor.
Walls or ceilings : I-Phone is integrated in the metallic structure, between metal studs.

APPLICATIONS :

- Acoustic insulation of separative , or distributive walls, with metallic structure.
- Acoustic insulation of ceillings, or roofs.
- Acoustic doubling of existing walls.
- Floating floors.
- Acoustic enclosures.
- Impact insulation of vibrating machines.

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