

# ISOLfon PU

## Acoustic Foam Flat Slabs

### Description

To **ISOLfon - PU** are polyurethane foam slabs with a flat form design that effectively traps sound and reduces the reverberation time.

ISOLfon - PU offers sound proofing in the middle and high frequency.

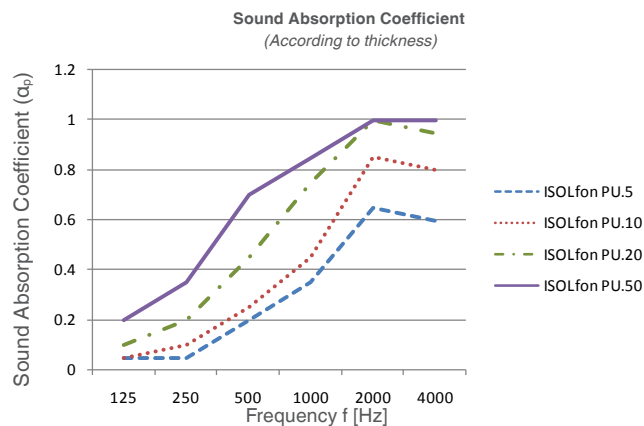
It is produced in various thicknesses to cover the needs of all kinds of applications where sound absorption is required.

The panel is flexible and can be easily installed (*no advanced equipment is required*). Just use glue on flat or curved surfaces of any kind (free of dust, oil and grease). Some critical applications may need appropriate mechanical fixing.



### Technical Characteristics

<b>Thickness (Max):</b>	5 - 10 - 20 - 50 mm ( <i>other dimensions on request</i> ).
<b>Dimensions:</b>	100 x 100 cm. ( <i>also available in rolls</i> )
<b>Density:</b>	29 Kg/m <sup>3</sup> .
<b>Color:</b>	Dark Grey / Anthracite.
<b>Fire Resistance:</b>	SE (MVSS 302) Self-extinguishing.
<b>Characteristics:</b>	High sound absorption, uniform porous structure.
<b>Applications:</b>	Sound absorption in recording studios, home cinema, night clubs, ventilation air duct, loudspeakers, recording studios ( <i>at high thickness</i> ), sound attenuators etc. Reduces excess sound reflection,



Type ISOLfon-PU	Practical Sound Absorption Coefficient ( $\alpha_p$ )						Weighted Sound Absorption Coefficient ( $\alpha_w$ )	Sound Absorption Class
	Frequency (Hz)							
	125	250	500	1000	2000	4000		
ISOLfon-PU.5	0.05	0.05	0.2	0.35	0.65	0.6	0.35 (H)	D
ISOLfon-PU.10	0.05	0.1	0.25	0.45	0.85	0.8	0.45 (H)	D
ISOLfon-PU.20	0.1	0.2	0.45	0.75	1	0.95	0.75 (H)	C
ISOLfon-PU.50	0.2	0.35	0.70	0.90	1	1	0.9	A

Practical Sound Absorption Coefficient  $\alpha_p$ , has been calculated according to ISO 11654:1997

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