



Size	Panel
LENGTH	2700mm
WIDTH	600mm
THICKNESS	12/18/24mm

Product Description

The PET panels are available in 5 different colours, each colour is available in 3 different thicknesses. The panels are easy to install and can be cut to any shape and size. Our PET-panel is the perfect product to manage your acoustics in the most creative and cost-effective way.

Colors

The Tocca Legno PET panels come in following colours:



Materials

The Tocca Legno PET panel is made of pressed, sound absorbing polyester wool. Consisting for 50% out of recycled materials, the Tocca Legno PET-panel has a great sustainable value.

The PET fibers are free from toxic substances and contain no elements that cause allergic reactions or skin irritations.

Density varies from 2600g/m² to 4000g/m², depending on the purpose of the panel. Our 18mm panel, with a density of 4000g/m², is therefore suitable for the production of acoustic furniture.

Maintenance

We advice to dust the panel on a regular basis, as this will prevent dust to build up. Make sure the Hoover mouth is clean, to get the right result. When you notice dust did get the chance to build up, blow off the panel with compressed air.

In case of stains, first dab with a slightly moistened sponge or cloth and immediately absorb the moisture afterwards. Repeat until the stain has disappeared. For persistent stains, you can use degreaser if necessary (type HG is recommended).

Never rub the panel, as this may damage the surface. Always try on a small piece and evaluate before treating the entire panel.

Installation

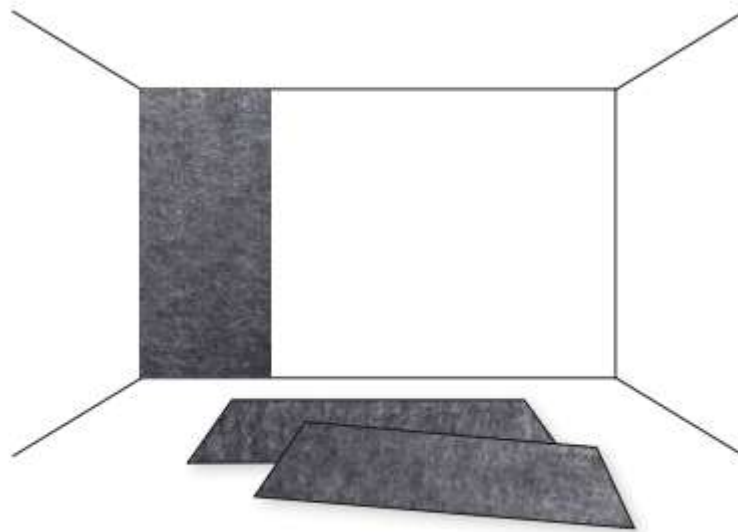
The Tocca Legno PET panel can be used for various purposes. For more information, we refer to our installation guide. A recap is given here below, showing you three different options.

The Acoustics-section, in this technical sheet, shows you the importance of the choice of installation method, as this will influence the acoustic performance significantly. A framework contributes remarkably to higher sound absorption values. Add insulation and your installation will have the highest possible sound absorption class.

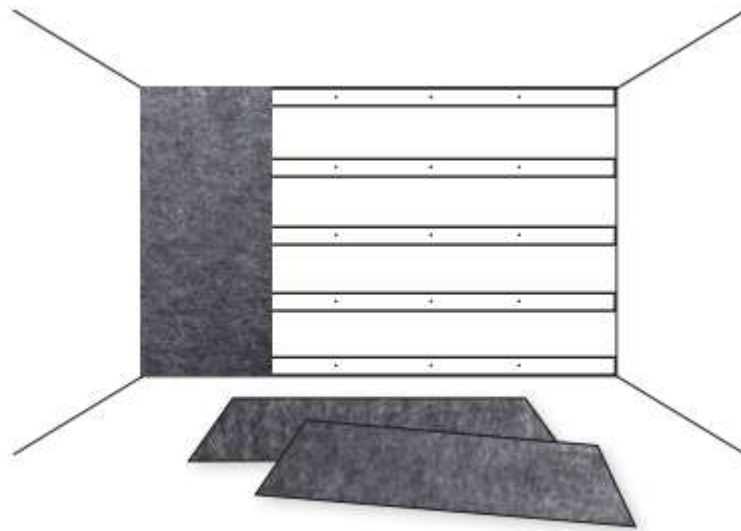
Next to the acoustic value, one of the benefits of our panel, is that these can easily be cut to size, just by using a sharp knife or jigsaw. The panels are also suitable for CNC cutting and milling, as well as drilling and screwing. As a result, the panels can be used for every purpose!

Installation methods:

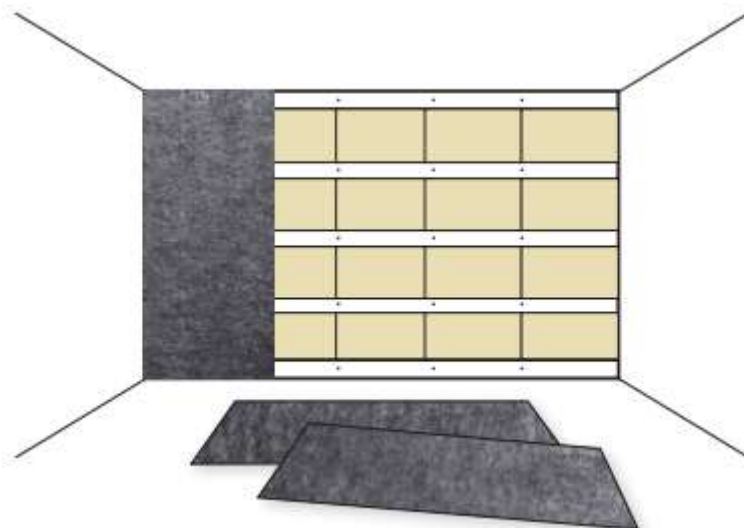
1. Direct gluing against the wall (wall must be flat, clean and dustfree), with MS polymer-based adhesive.



2. Mounting the panels on underlying battens (50mm thick, 60cm between the battens).



3. Same as installation 2, but mineral wool (same thickness as battens) is placed between the battens.

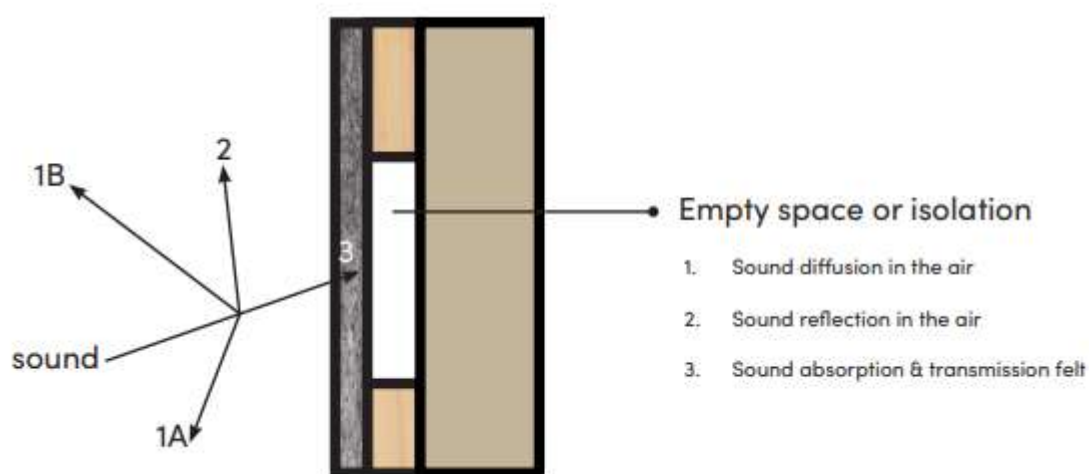


Overview technical specifications

MODEL	PET panel		
PANEL SIZE	Length: 2700mm – Width: 600mm – Thickness: 12/18/24mm		
DENSITY	12mm	18mm	24mm
	2600g/m ²	4000g/m ²	3600g/m ²
MATERIALS	100% Polyester fibre (non-irritating material)		
FIRE RATING	Class B (according to EN 13501-1)		
SUSTAINABILITY	PET panel made of recycled materials		
	Low VOC's		
TECHNICAL ADVANTAGES	Material can not be affected by moisture, mould or mildew (PET fibres)		

Acoustics

Glass, concrete, steel,... are hard materials that make the sounds reflect and give your room bad acoustics. The best way to reduce the reverberation* in a room, is to counterweight the hard materials with absorption materials, such as are PET panels.

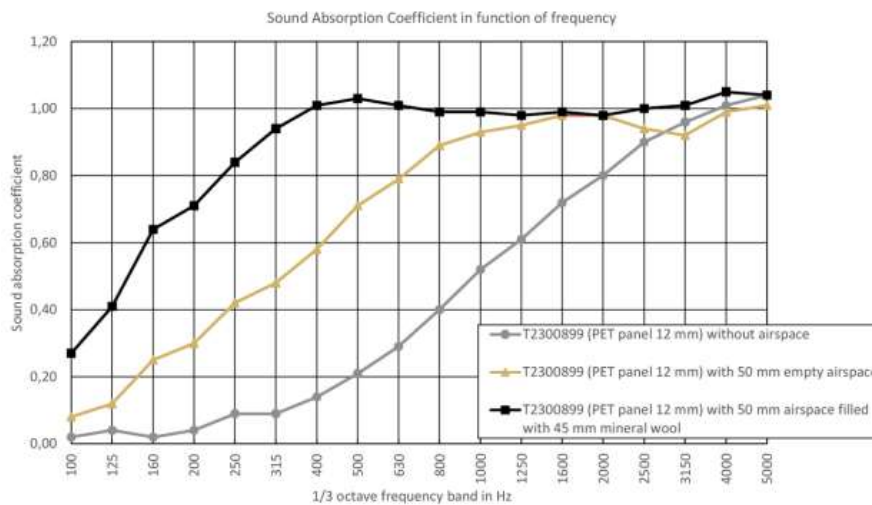




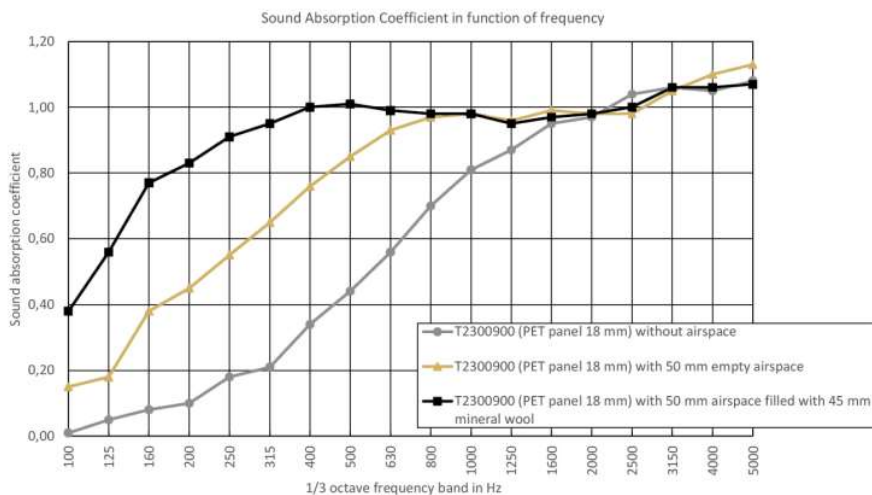
The Tocca Legno PET panels have been tested in a certified laboratory, to measure the sound absorption according to ISO354. The test results show that our panels improve the acoustics significantly.

	12mm		18mm		24mm	
INSTALLATION METHOD	aw	Class	aw	Class	aw	Class
1. Direct gluing	0.25	E	0.45	D	0.50	D
2. Framework airgap 50mm	0.70	C	0.85	B	0.85	B
3. Framework airgap 50mm + insulation	1	A	1	A	1	A

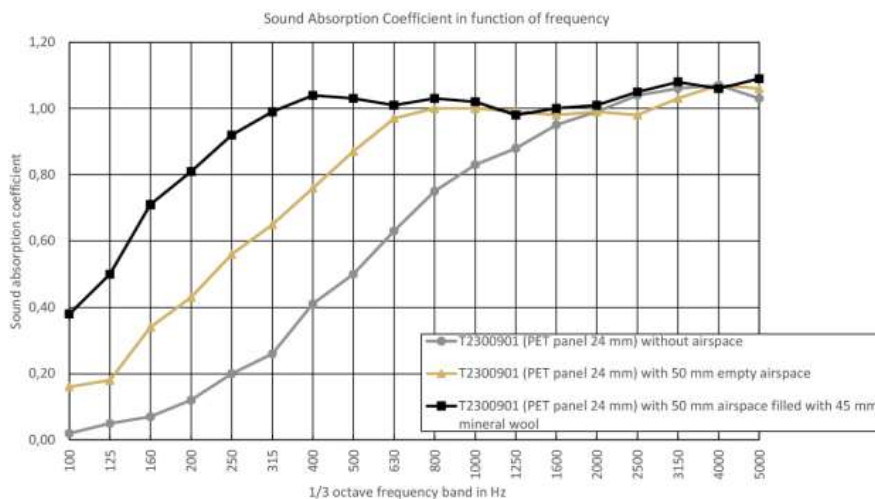
12MM



18MM



24MM



*Reverberation in acoustics is a persistence of sound or echo after a sound is produced.