

Self-supporting sandwich panel for sound absorption in industrial environments, with internally perforated steel sheet for sound absorption and solid external steel sheet for noise reduction. The large perforated surface together with the steel sheet reinforcement ensure high performance.

### Certifications

**$\alpha_s$  1.0**  
Sound absorption  
up to  $\alpha_s$  1.0 (80 mm) in  
compliance with ISO 354

**$R_w$  36**  
Sound insulation  
up to  $R_w$  36 dB in  
compliance with ISO 140-3

**A1**  
Reaction to fire (materials)  
A1 Euroclass in  
compliance with EN 13501-1

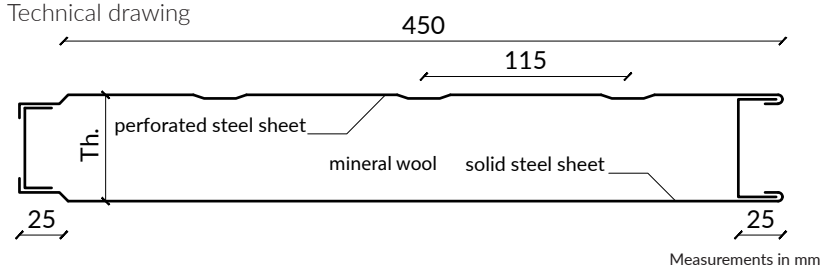
### Use and specifications

**Acoustic comfort**

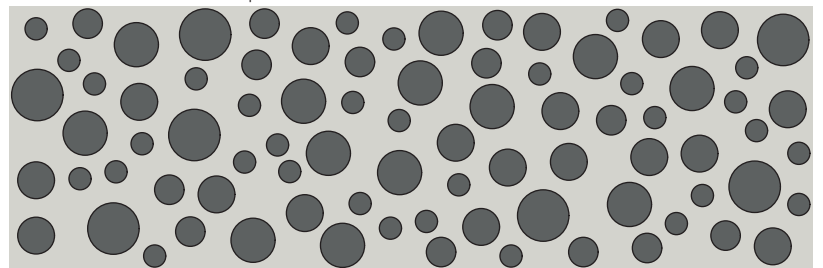
**Fast assembly**

**Industrial wall**

Technical drawing



Perforation CS - 38% perforated surface



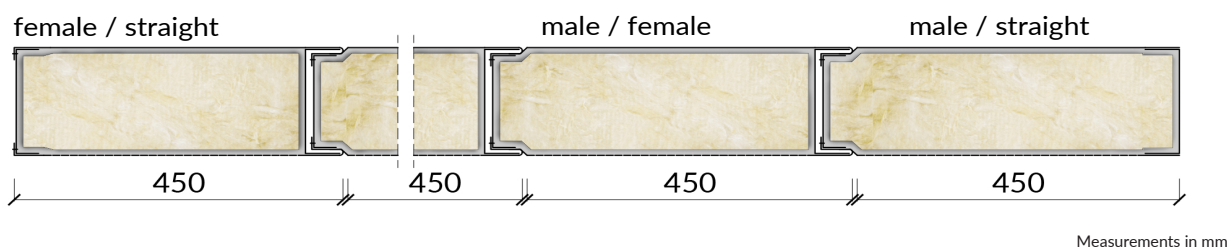
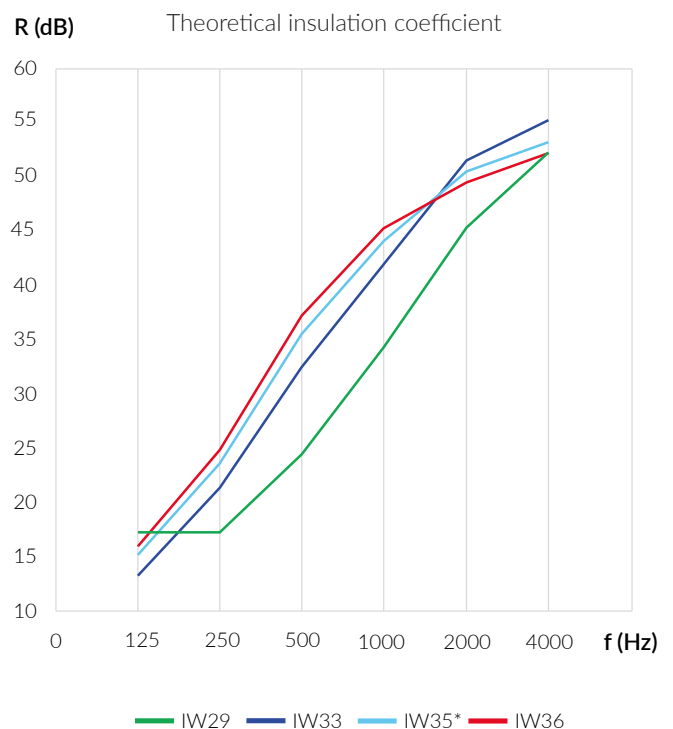
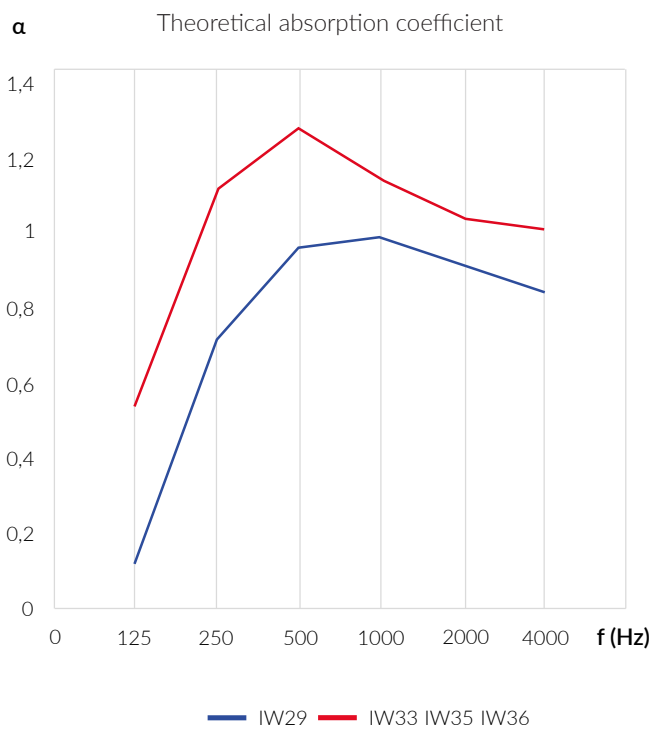
### Reference measurements\*:

Width.	Length.	Thickness.
450 mm	from 2400 mm to 6000 mm	from 50 mm to 100 mm

\* Size can be customised to prevent cuts and adjustments.

name	$\alpha$	$R_w$ (dB)	internal steel sheet (mm)	external steel sheet (mm)	insulated core	thickness (mm)	weight (kg/m <sup>2</sup> )	transmitt. (W/m <sup>2</sup> K)
IW29	0.9	29	0.5	0.7	mineral wool	50	15.6	0.70
IW33	1.0	33	0.5	0.7	mineral wool	80	18.7	0.44
IW35	1.0	35*	0.5	0.7	mineral wool	100	20.9	0.35
IW36	1.0	36	0.5	1.0	mineral wool	80	21.4	0.44

\* estimated value



The Insulation Wall panel has different types of joints: the traditional male/female and the two female/straight and male/straight joints. For specific projects, Panurania can produce panels with customised dimensions so as to prevent subsequent cuts and adjustments.