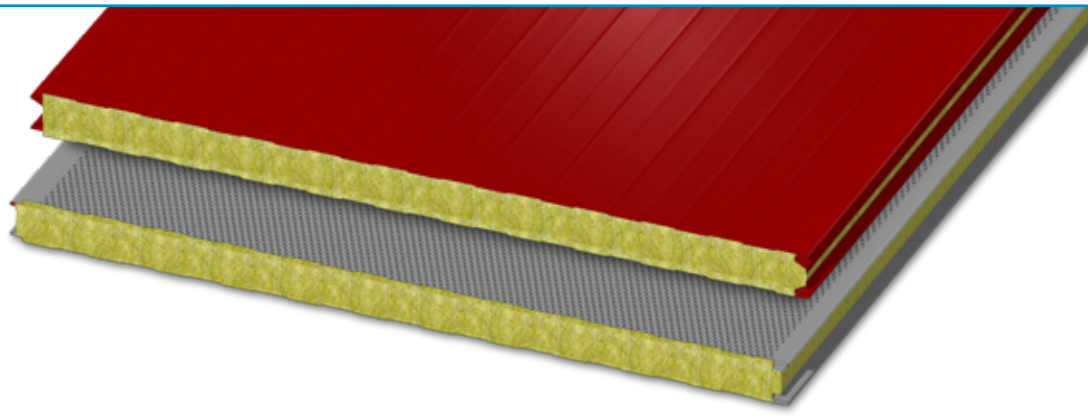
ISOFIRE WALL FONO

Wall Panel / Isopan production in Europe

Exposed Fastening



Features

Self-supporting panel of double steel sheet, with mineral wool core. The tongue-and-groove joint is concealed by through-bolts and washers along the supports. The internal micro-perforated steel sheet increases the acoustic insulation of the panel.

Options

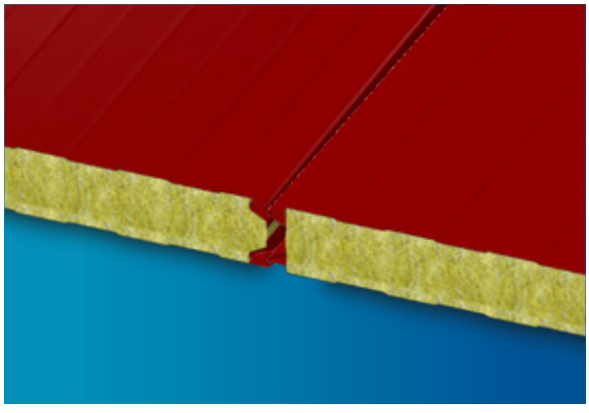
Isofire wall fono has an internal support formed by a micro-perforated sheet, with the main function of increasing the sound-absorbing performance of the panel, reducing decibel levels depending on the thickness, ideal for machine rooms or processing rooms.

Benefits

- Fire resistant rock wool
- Concealed fixing for improved aesthetic design
- Can be installed vertically or horizontally
- Fire reaction according to class A2-S1-D0
- Sound absorbing

Specifications

Standard Lenght:	Maximum length of 19¾ (6m)
Width	39 ⅜ " - 1000 mm
Joint:	Interconnecting male/female
Thickness (m):	50, 60, 80, 100, 120, 150
Exterior Face	Pre-painted Zinc Coated Steel (EN 10346)
Interior Face:	Micro-perforated steel
Foam Density:	100 kg/m³
Exterior Finish:	Polyester coating
Interior Finish:	Polyester coating
Joint Type:	Exposed Fastening



ISOFIRE WALL FONO

Exposed Fastening

Overload Wheelbase

Panel nominal tickness (mm)

Kg/m²	50	60	80	100	120	150
Sheets 0,5mm / 0,5mm - Support 120 mm						
50	370	400	450	510	560	635
60	325	360	415	475	525	585
80	260	295	355	420	460	515
100	210	245	305	370	410	460
120	175	210	265	320	365	415
140	150	175	230	285	325	370
160	130	155	205	250	290	335
180	120	135	185	225	265	300
200	105	125	170	210	245	275
Sheets 0,6mm / 0,6mm - Suport 120 mm						
50	410	435	505	565	605	670
60	355	395	455	535	575	635
80	280	320	390	460	505	560
100	220	260	320	385	440	490
120	195	225	275	345	395	440
140	165	190	240	300	345	395
160	145	175	215	265	310	345
180	130	160	190	230	280	315
200	115	135	175	210	255	280

Overload Wheelbase

Panel nominal tickness (mm)

Kg/m²	50	60	80	100	120	150
Sheets 0,5mm / 0,5mm - Support 120 mm						
50	325	350	385	420	455	485
60	290	320	345	375	410	435
80	225	260	290	310	335	355
100	175	210	240	260	280	295
120	150	170	200	220	240	255
140	130	145	175	190	210	220
160	105	130	155	170	185	190
180	100	110	135	150	160	170
200	90	100	125	135	150	160
Sheets 0,6mm / 0,6mm - Suport 120 mm						
50	360	385	420	455	485	510
60	315	345	380	410	445	470
80	240	275	315	340	370	390
100	185	215	250	275	300	320
120	160	185	210	235	255	270
140	130	160	185	200	220	235
160	115	135	160	180	190	205
180	105	125	145	160	175	185
200	95	110	130	150	160	175

Thermal Insulation

According to standard EN 14508 A.10

U	50	60	80	100	120	150
W/m²·K	0.75	0.63	0.49	0.39	0.33	0.27
Kcal/m²·h·°C	0.65	0.54	0.42	0.34	0.28	0.23
K	**50**	**60**	**80**	**100**	**120**	**150**
W/m²·K	0.75	0.63	0.50	0.40	0.33	0.27
Kcal/m²·h·°C	0.67	0.54	0.44	0.35	0.30	0.24

Dimensional Tolerance

L = Length, D = Thickness, F = Support

Lenght	L ≤ 3 m ± 5 mm L > 3 m ± 10 mm	Perpendicularity Deviation	6 mm
Working Lenght	± 2 mm	Misalignment of the internal metal surfaces	± 3 mm
Thickness	D ≤ 100 mm ± 2mm D > 100 mm ± 2%	Bottom Sheet Coupling	F = 0 +3 mm

Panel Weight

Steel thickness	50	60	80	100	120	150
	Values in kg/m²					
0.5 / 0.5	12.6	13.6	15.6	17.6	19.6	22.6
0.6 / 0,6	13.5	14.5	16.5	18.5	20.5	23.5

Fire Reaction and Resistance

See page 13 & 14

Acoustic Behavior

See page 13 & 14

Joint Section