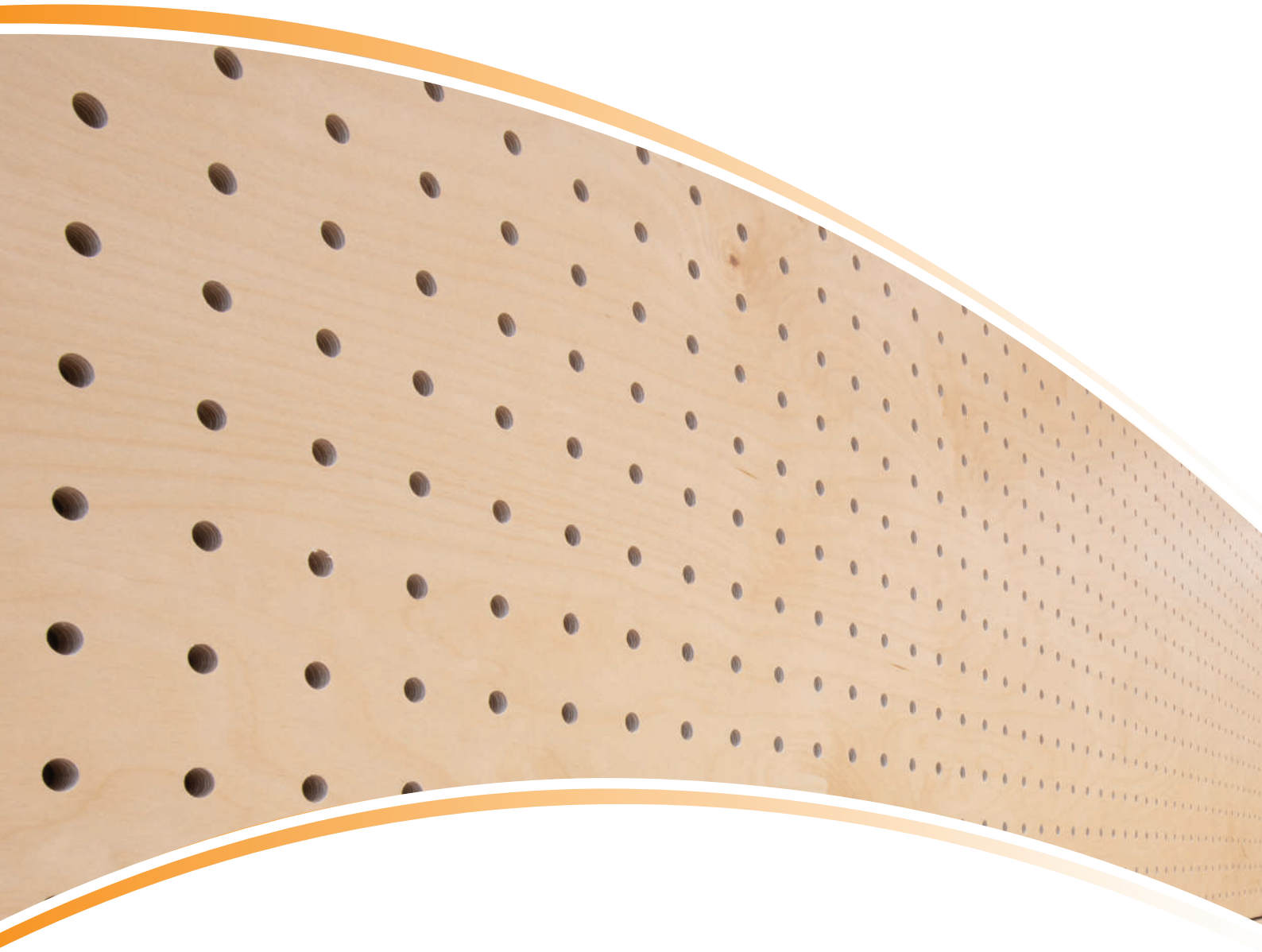
RigaWood

ROJA

ACOUSTIC PANELS PERFORATED



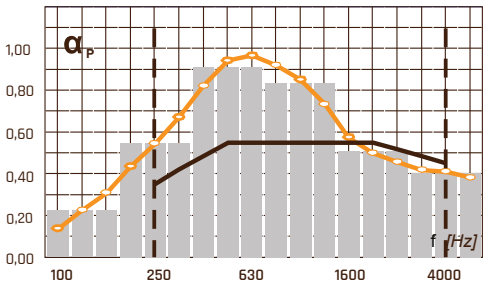
ACOUSTIC MEASUREMENTS

ACOUSTIC PANELS
PERFORATED

Panel P 12/5-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	5	16	25	0

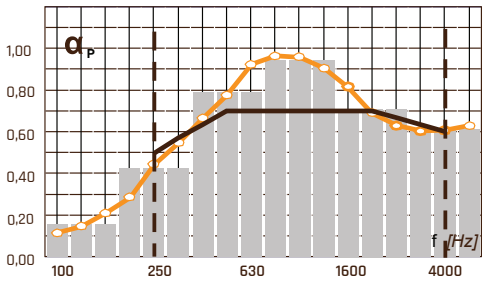
Absorption coefficient: α_w: **0.55**
Absorption class: **D**



Panel P 12/8-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	8	16	25	0

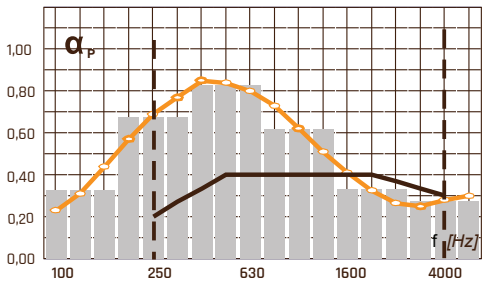
Absorption coefficient: α_w: **0.70**
Absorption class: **C**



Panel P 12/8-32

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	8	32	25	0

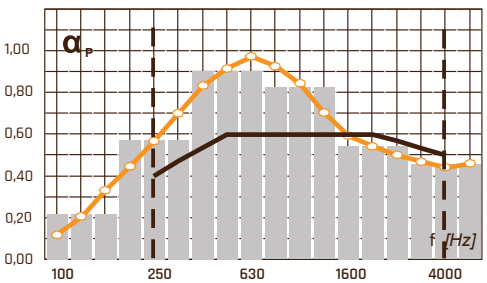
Absorption coefficient: α_w: **0.40**
Absorption class: **D**



Panel P 12/10-32

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	10	32	25	0

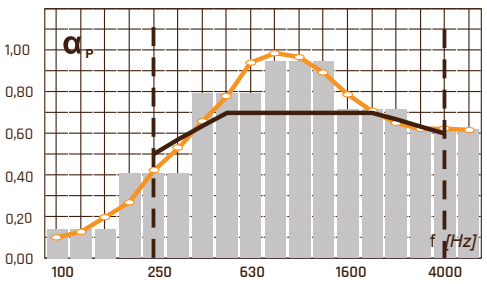
Absorption coefficient: α_w: **0.60**
Absorption class: **C**



Panel P 15/8-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
15	8	16	25	0

Absorption coefficient: α_w: **0.70**
Absorption class: **C**



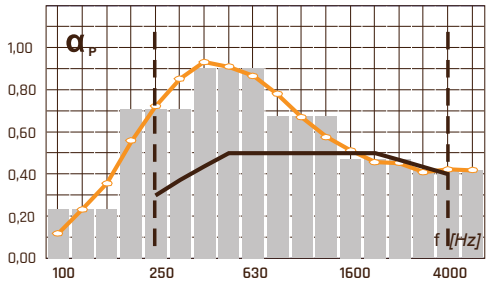
Predicted sound absorption coefficient octave bands
Predicted sound absorption coefficient in 1/3 octave bands
Reference curve by EN ISO 11654
The balancing frequency range

ACOUSTIC PANELS
PERFORATED

Panel P 12/5-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	5	16	25	35

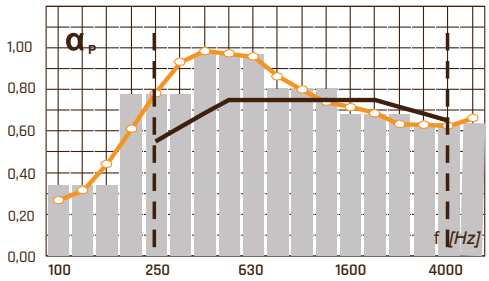
Absorption coefficient: α_w: **0.50**
Absorption class: **D**



Panel P 12/8-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	8	16	25	35

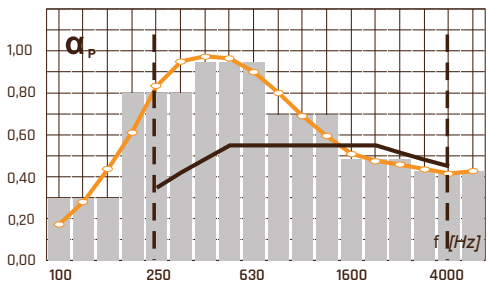
Absorption coefficient: α_w: **0.75**
Absorption class: **C**



Panel P 12/10-32

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	10	32	25	35

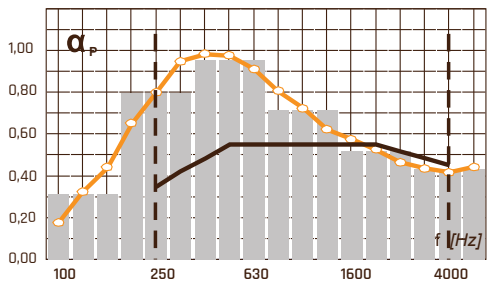
Absorption coefficient: α_w: **0.55**
Absorption class: **D**



Panel P 12/12-32

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	12	32	25	35

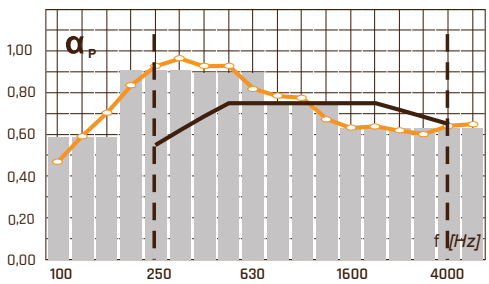
Absorption coefficient: α_w: **0.55**
Absorption class: **D**



Panel P 12/8-16

Plywood	Perforation		Mineral wool	Air gap
A	PD	PS	C	D
12	8	16	25	175

Absorption coefficient: α_w: **0.75**
Absorption class: **C**



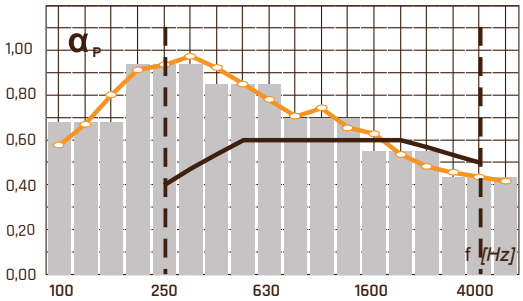
Predicted sound absorption coefficient octave bands
Predicted sound absorption coefficient in 1/3 octave bands
Reference curve by EN ISO 11654
The balancing frequency range

ACOUSTIC PANELS
PERFORATED

Panel P 12/10-32

Plywood	Perforation		Mineral wool	Air gap
A	P D	P S	C	D
12	10	32	25	175

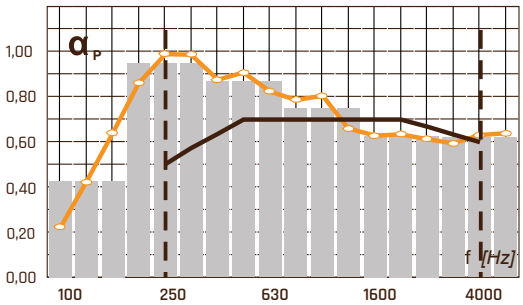
Absorption coefficient: α_w: **0.60**
Absorption class: **C**



Panel P-15/8-16

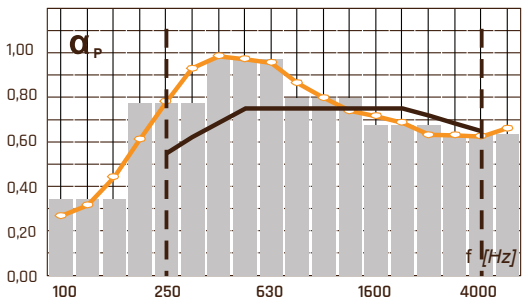
Plywood	Perforation		Mineral wool	Air gap
A	P D	P S	C	D
15	8	16	25	175

Absorption coefficient: α_w: **0.70**
Absorption class: **C**



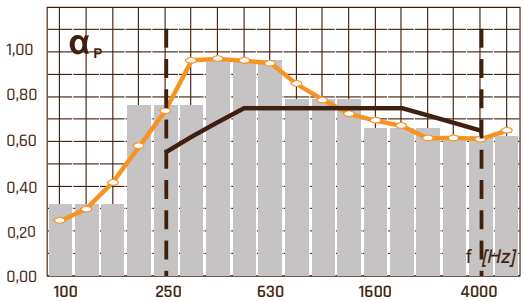
Unvarnished and varnished panel acoustic performance comparison
Example for panel P-12/8-16 (C=25, D=35)

Unvarnished



Absorption coefficient: α_w: **0.75**
Absorption class: **C**

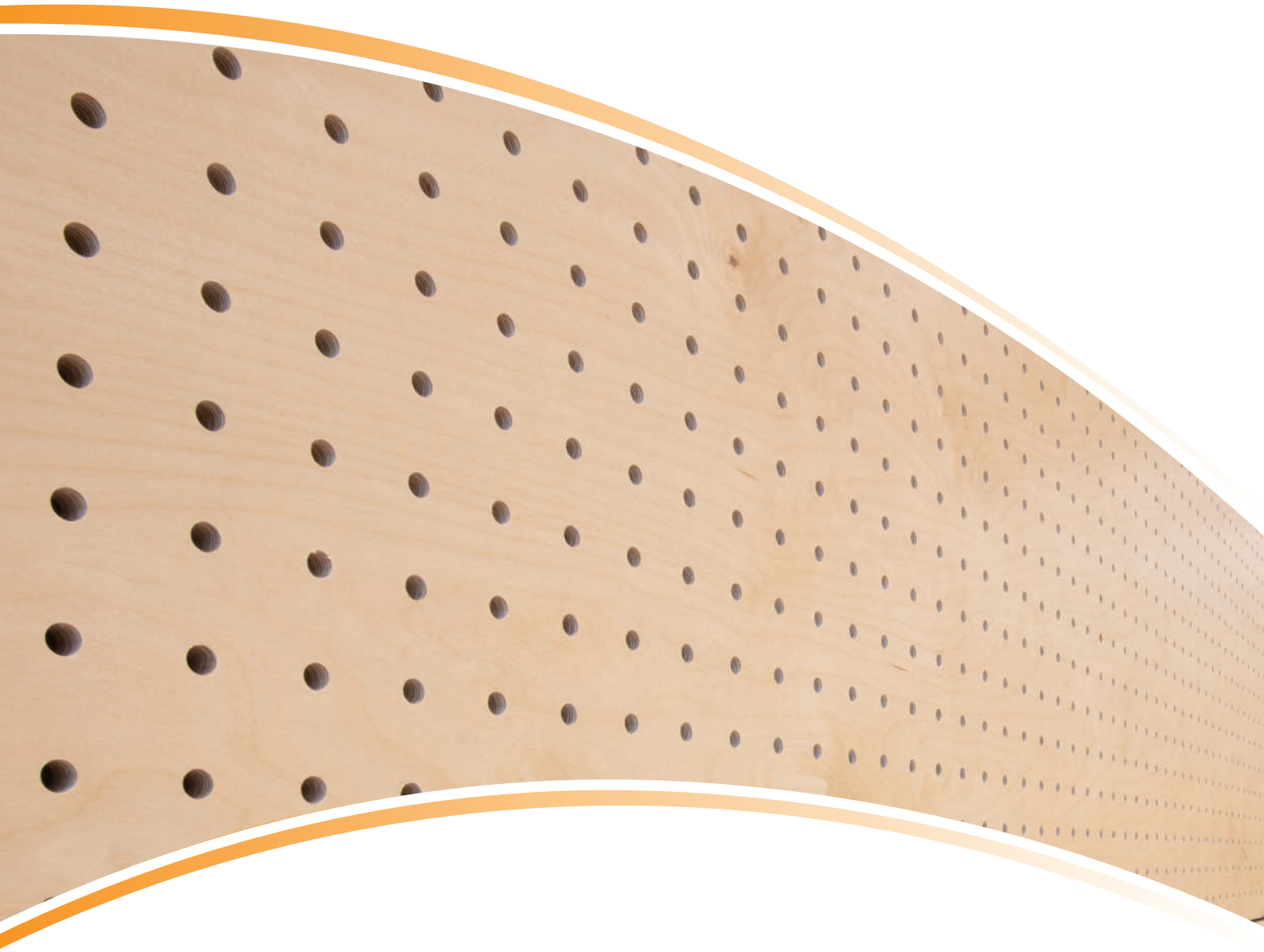
Varnished



Absorption coefficient: α_w: **0.75**
Absorption class: **C**

Predicted sound absorption coefficient octave bands
Predicted sound absorption coefficient in 1/3 octave bands
Reference curve by EN ISO 11654
The balancing frequency range

THE MEASUREMENTS OF THE PLYWOOD PANEL SOUND ABSORPTION COEFFICIENT ARE MADE IN COOPERATION WITH ACOUSTICS LABORATORY «R&D AKUSTIKA» ACCORDING TO EN ISO 11654.
THE FOLLOWING TEST RESULTS ARE FOR UNVARNISHED PANELS.



www.troja.lv
www.trojaspaneli.lv
www.trojasmebeles.lv