

Lignokustik alpha - grooved acoustical panel

Description

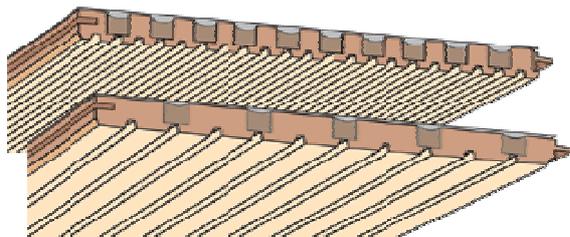
The **alpha** acoustical panels are composed of a core in MDF, yellow spruce solid wood or gypsum fibre bord. Dependig on fire regulations or ecolocigal requirements.

Available surfaces are with wooden veneers, melamine or with RAL/NCS colors.

The rearside is covered with a black acoustical tissue.

Range of applications

The **alpha** panel can be used for many acoustical solutions like wall- and ceiling panels, cupboard doors, ceiling sails or dividing walls. Also treated for mounting on curved walls.



alpha

Grooves and axes

Axes: 6mm, 8mm, 16mm or 32mm

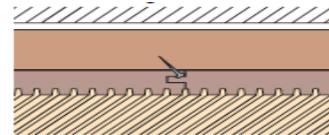
Grooves: 2mm, 3mm or 4mm

(solid wood panels only with axes 16mm or 32mm)

Panel Sizes

Alpha standard: lenght 2780mm, width 192mm (other sizes available)

Easy installation with tongue/groove assembling



Alpha wide standard: lenght 2780mm, with 600mm (other sizes available)

Possible with grooved edges for installation.

Thickness: standard 16mm or 19mm (other on request)

Fire classes available:

Class 0 not flammable (certificated Lignokustik panel)

Class 1 fire retardant

Class 2 normal flammable

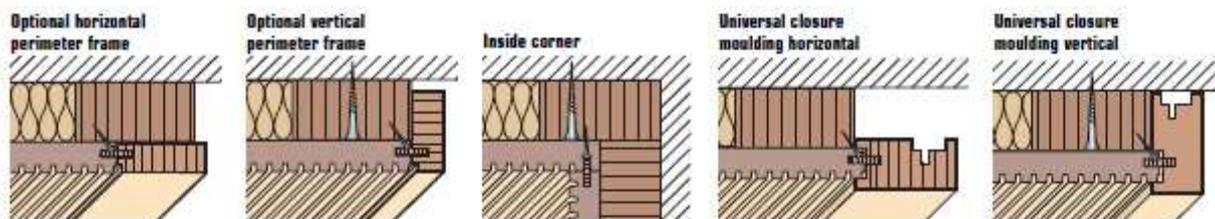
(Technical modifications reserved.)

Technical supports and acoustcal requirements

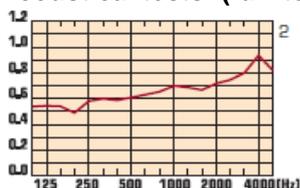
To calculate the required acoustical value a acoustician or building physicist is required!

Lignokustik can help to work out the best solution for noise reduction or for installation of panels. Drawings, installation details or project-samples can be provided.

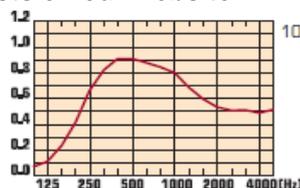
Trims / end-profiles if required in different possibilities available:



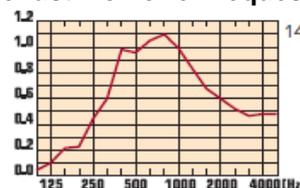
Acoustical tests: (furhter tests on our website www.lignokustik.ch or on request)



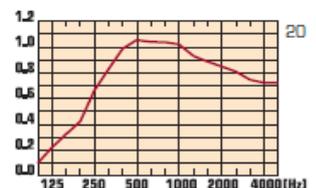
height 366mm
insulation 30mm



height 66mm
insulation 30mm



height 56mm
insulation 40mm



height 46mm
insulation 30mm

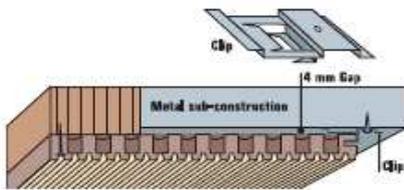


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Lignokustik alpha

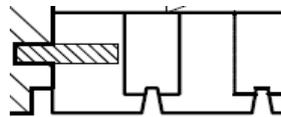
Installations with tongue/groove edges
alpha panels can be installed easy with the tongue/groove edges direct to the subconstruction. That provide an integral air space of 1/10mm on the back side of each plank. Ensure that the nails or screws go trough the backside of the grooves and NOT trough the tongue. The tongue can bracke if you do this.

For the installation on a metal subconstruction our **alpha clips** can be used.

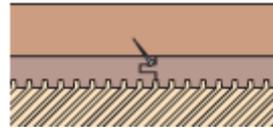


Installation with grooved edges - Alpha wide
 For the installation of wide panels with grooved edges we recommend to let groove the edges of panels and using a wooden-feather 27mm x 3mm for assembling. Also possible is an installation with metal-profiles on the back of panels (trough the client). Lignokustik can give technical assistances and support in buying and using this profiles.

grooved panel-edges for installation with wooden feather 27x3mm



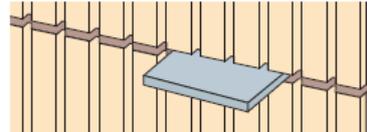
Nails trough the grooves NOT tongue!



- subconstruction with insulation inlays
- alpha planks

(Subconstruction and insulation trough the client.)

Joint to the lenght (3mm-shadow gap!)



Cut outs and cut to size can be done trough Lignokustik or trough the customer as well.

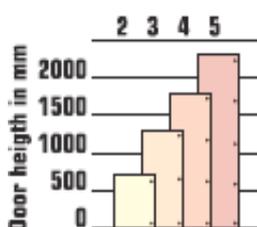
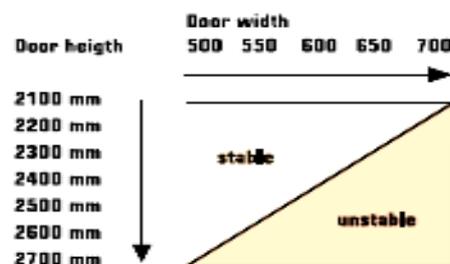
Cut outs and cut to size at site

The panels can be cut to size with common woodwork tools. For cutting the panels the visible surface has to be upwards to avoid any scratches.

Door elements

Thickness 19mm, with edge treatments all around matched to the surface and special cupboard tissue on the back. Unperforated area on the rear side for hinges and looks.

Door sizes to remain stable:

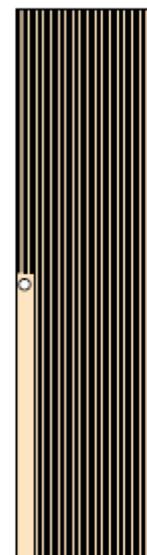
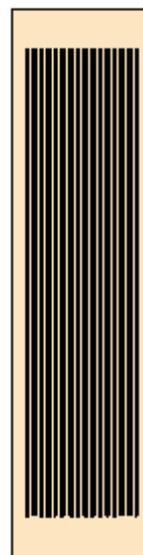


Number of hinges required
 Standard door with 500mm with We recommend short distances between hinges to secure the stability of doors.

Inside

Outside

(Possible design)



Inside with special acoustical tissue.

Outside (surface) with offsets for looks if required.

Please contact us for any technical support!

Door cover-panels are also available.