



LET'S CREATE WOOD

Experiences

TECHNICAL GUIDE

Puucomp

Impressive, precise and functional aesthetics exactly the way you prefer

When you wish to ensure the success of your interior cladding project, plan it together with Puucomp. By working with Puucomp you can rest assured that the intended atmosphere and functionality of the building or space are realised in a controlled manner all the way from the technical design of the interior panels to deliveries to the construction site and installation support.

Puucomp interior panels are ideal for public spaces where every detail must be carefully thought-out and up to standards. Whether we are talking about a congress centre, concert hall, office space, hospital or school, we will take great care to ensure that the desired atmosphere and quality are achieved.

We will assist you in the technical realisation of your interior cladding plans to ensure that the required visual and structural matters, as well as the aspects related to acoustics or building services, for example, are taken into account. To guarantee this, all of our products are made to order.

This guide presents the most common edge profiles, mounting solutions and acoustic perforations and acoustic properties of Puucomp interior cladding panels. We design and manufacture solutions to all types of interior cladding challenges – contact us for more information!



Properties of Puucomp interior panels

All Puucomp products are made in Finland and they are tested to Euroclass standards. Our interior cladding panels are also available with various fire ratings. Our products belong to the M1 emission class and have the CE label. All of our veneers have chain-of-custody certification. You should also ask for our versatile interior cladding panels coated with technical veneers or HPL (High-Pressure Laminate).



| Base boards and fire ratings | Panel dimensions | Surface treatment options |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">Fibrous gypsum panel (fire ratings A1-s1, d0 and A2-s1, d0)Veneered fibrous gypsum panel (fire ratings A2-s1, d0 and B-s1, d0)MDF and other wood-based panelsAluminium and steel panels | <ul style="list-style-type: none">The standard module dimensions of our suspended ceiling panels are 600x600 mm or 600x1200 mm, but we also flexibly manufacture panels in other sizes and shapes.The maximum dimensions of our cladding panels are 3050x1250 mm. | <p>We will treat the panels to the tone of your choosing. The surface treatment options are:</p> <ul style="list-style-type: none">LacqueringWaxingOil processingPainting |

Read more about the technical opportunities afforded by Puucomp interior cladding panels:
www-surfaces.fi/puucomp/en/technical-information

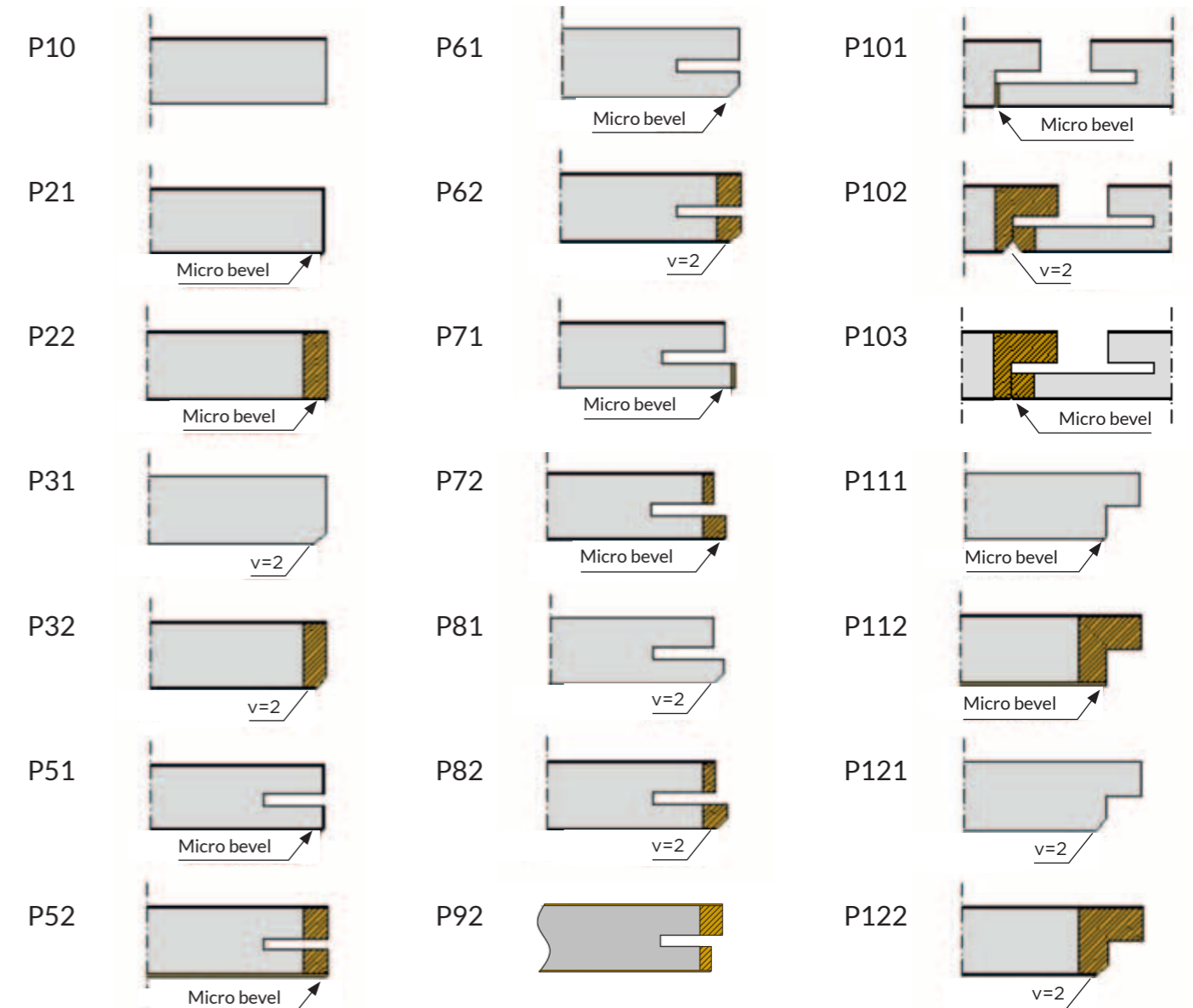
Edge profiles

In addition to standard edge profiles, we also offer other options. Download images of our edge profiles in either PDF or DWG formats here:

www-surfaces.fi/puucomp/en/technical-information/edge-profiles



Edge profiles



Mounting solutions

Our mounting solutions are made of either wood or aluminium. Download images of our mounting solutions in either PDF or DWG formats here:

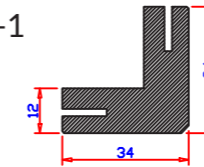
www-surfaces.fi/puucomp/en/technical-information/mounting



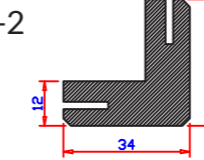
Mounting solutions

Wood battens

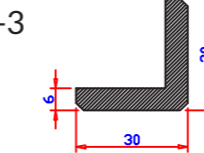
PNL-1



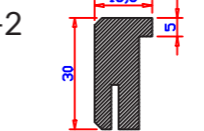
PNL-2



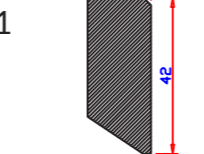
PNL-3



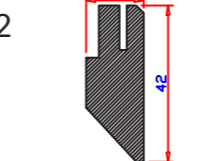
PKL-2



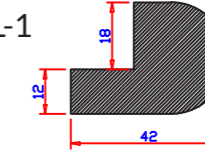
PJL-1



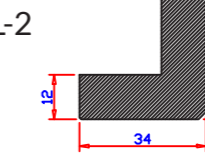
PJL-2



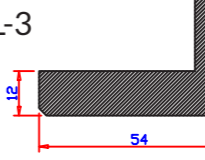
PRL-1



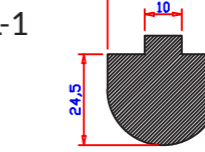
PRL-2



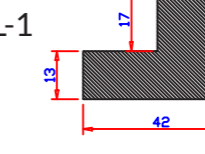
PRL-3



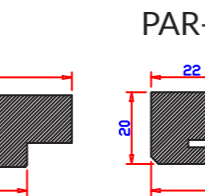
PSL-1



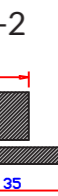
PKL-1



PAR-1

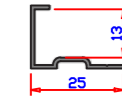


PAR-2

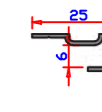


Aluminium mouldings

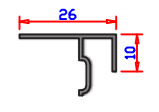
PVL



PAL

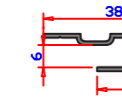


PLL

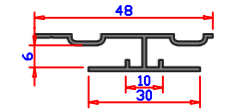


PVL: Options PVL12 and PVL15.

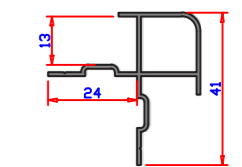
PPL



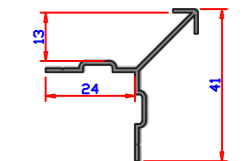
PAS



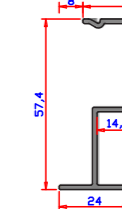
PPKL



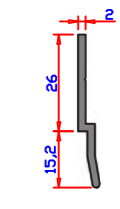
PTKL



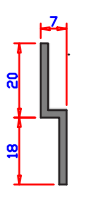
PZA



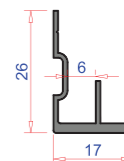
PRI



PZI



PSAL



Finnish carpentry since 1987

Puucomp is an expert of interior cladding hailing from the region of Ostrobothnia in Western Finland. Puucomp specialises in the technical design and production of highly specialised veneered interior panels. Facilitating the work of installers with functional on-site logistics and installation support is also an important part of the Puucomp service.



Puucomp delivers interior cladding solutions not only to Finland but also to countries such as Sweden, the Baltic states, Russia, France and England.

Examples of installations

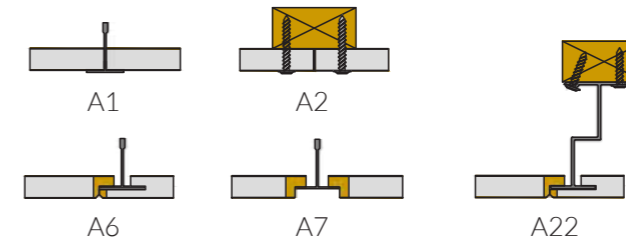
In addition to standard installations we can also help you design more specialised solutions. Download images of our installation solutions in either PDF or DWG formats here:

www-surfaces.fi/puucomp/en/technical-information/installation-examples

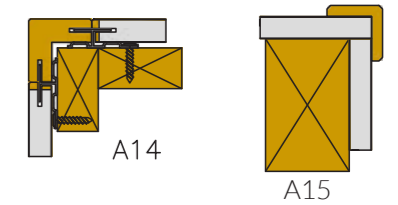


Examples of installations

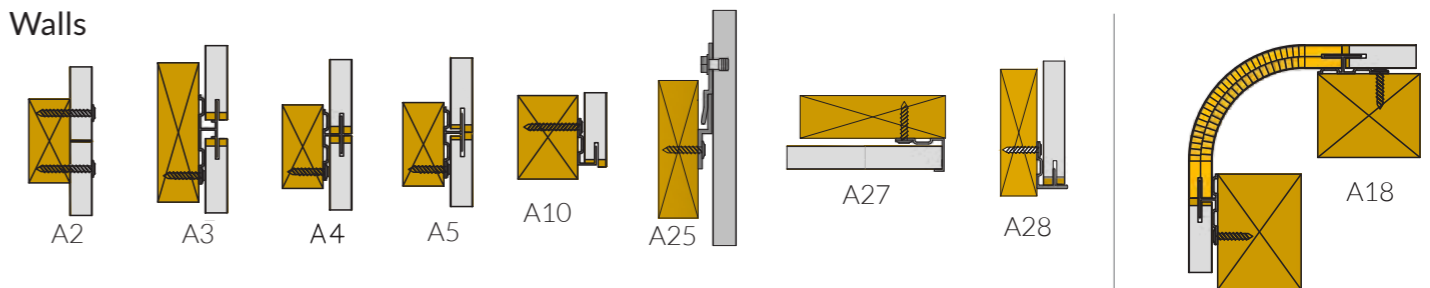
Ceilings



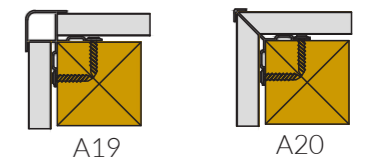
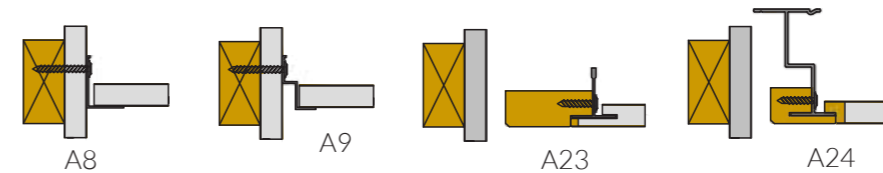
Outside corners



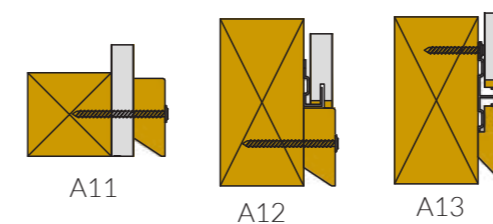
Walls



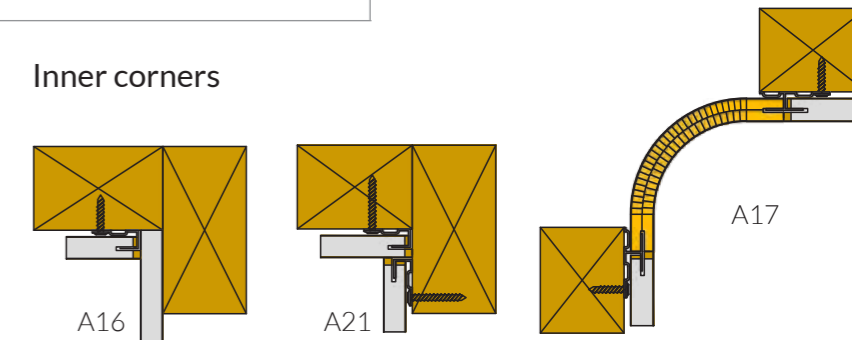
Ceiling junctures



Floor junctures



Inner corners



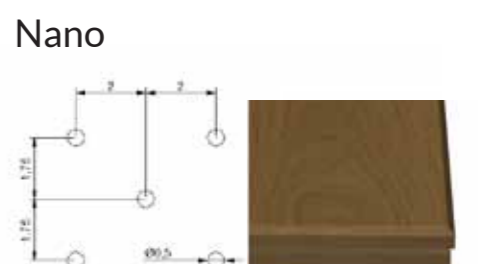
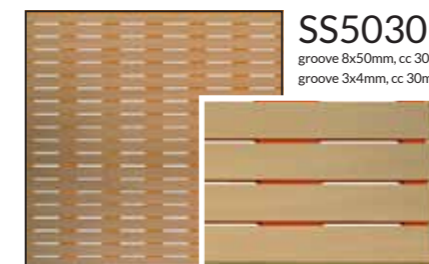
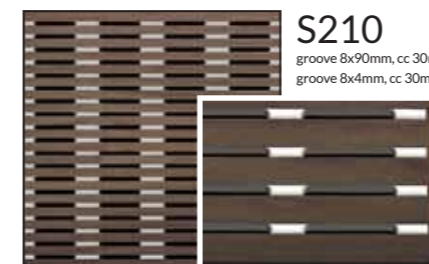
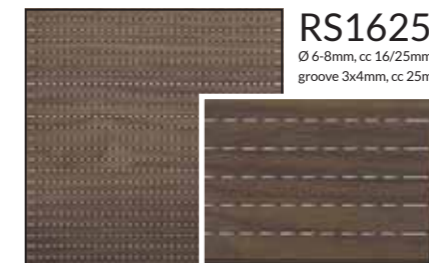
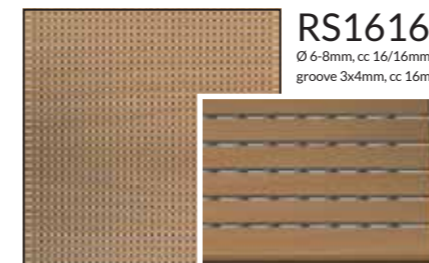
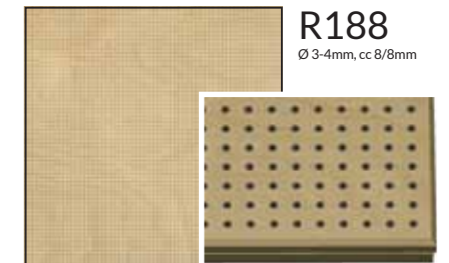
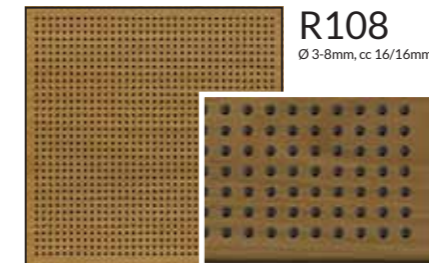
Acoustic perforations

Acoustic perforations are also a part of the Puucomp service. Look at examples and download images of our acoustic perforations in either PDF or DWG formats here:

www-surfaces.fi/puucomp/en/technical-information/acoustic-perforations



Acoustic perforations



Perforations are illustrated in the standard size, 600x600 mm

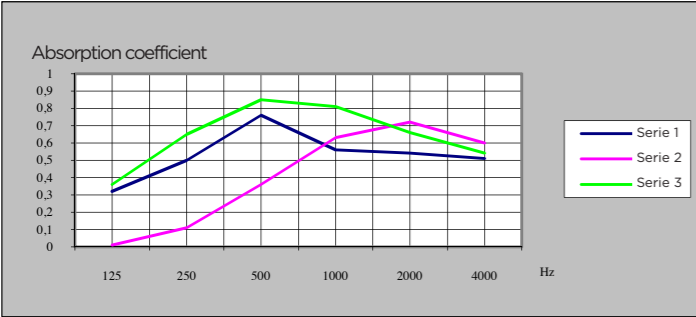
Acoustics in an international conference centre and auditorium

Puucomp delivered special acoustic and fire-resistant roof elements made of solid white oak slats and wall panels coated with white oak veneer to the auditorium and restaurant of the Saga Congress Center.



Acoustics

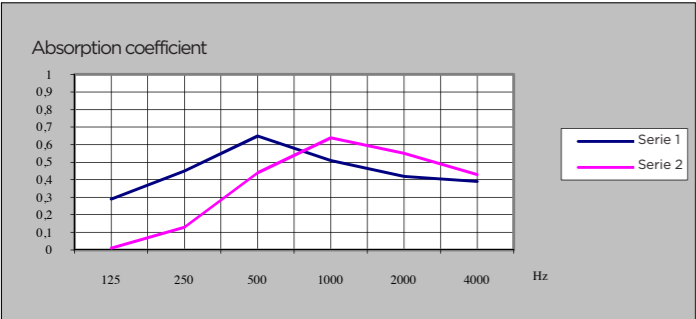
The acoustic properties of a space can be adjusted with interior cladding panels featuring acoustic perforations, grooves or combinations thereof. The panels may also be microperforated. Ask us for more examples of the acoustic effects of different acoustic perforation solutions!



Perf. Typ 105 (slotted Ø 8 mm, slotted area 24 %)

- 1. Sound absorption category C (airspace 200 mm and acoustic felt)
- 2. Sound absorption category D (airspace 30 mm and acoustic felt)
- 3. Sound absorption category B (airspace 200 mm, acoustic felt and mineralwool 50 mm)

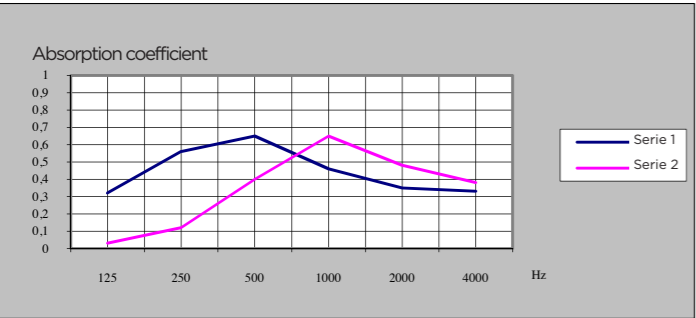
| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|----|------|------|------|------|------|------|
| 1 | 0,32 | 0,5 | 0,76 | 0,56 | 0,54 | 0,51 |
| 2 | 0,01 | 0,11 | 0,36 | 0,63 | 0,72 | 0,6 |
| 3 | 0,36 | 0,65 | 0,85 | 0,81 | 0,66 | 0,54 |



Perf. Typ 101 (slotted Ø 8 mm, slotted area 13,5 %)

- 1. Sound absorption category D (airspace 200 mm and acoustic felt)
- 2. Sound absorption category D (airspace 42 mm and acoustic felt)

| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|----|------|------|------|------|------|------|
| 1 | 0,29 | 0,45 | 0,65 | 0,51 | 0,42 | 0,39 |
| 2 | 0,01 | 0,13 | 0,44 | 0,64 | 0,55 | 0,43 |

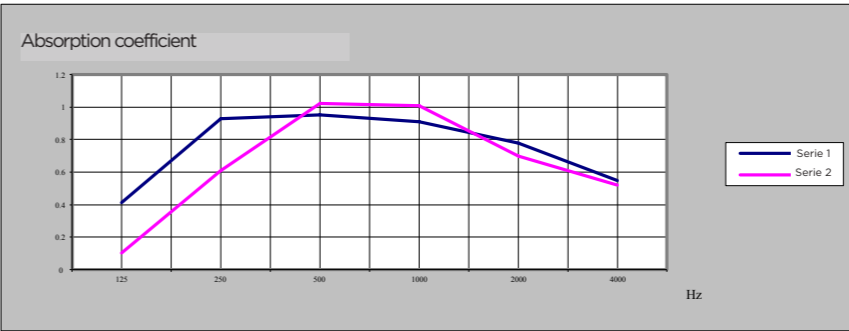


Perf. Typ 108 (hole Ø 5 mm, perforated area 7 %)

- 1. Sound absorption category D (airspace 200 mm and acoustic felt)
- 2. Sound absorption category D (aitspace 42 mm and acoustic felt)

| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|----|------|------|------|------|------|------|
| 1 | 0,32 | 0,56 | 0,65 | 0,46 | 0,35 | 0,33 |
| 2 | 0,03 | 0,12 | 0,4 | 0,65 | 0,48 | 0,38 |

Acoustics




Perf. Type RS1616

- 1. Sound absorption category D (airspace 200 mm and acoustic felt)
- 2. Sound absorption category D (airspace 50 mm and acoustic felt)

| Hz | 125 | 250 | 500 | 1000 | 2000 |
|----|------|------|------|------|------|
| 1 | 0.41 | 0.93 | 0.95 | 0.91 | 0.78 |
| 2 | 0.1 | 0.61 | 1.02 | 1.01 | 0.7 |





LET'S CREATE WOOD

Experiences

Puucomp is more than a sophisticated product – it is an emotional experience. It is a new way to enjoy a touch of nature and the harmonious bond between aesthetics and functionality. It is the joy of exceptional interior decoration ideas coming true with the certainty ensured by the Finnish mentality, famous for persistency and for keeping what is promised. Puucomp is the feeling of creating wood experiences, together.

Let's Create | Design | Experience

Oy Puucomp Ab, +358 104 222 360
www.puucomp.fi info@puucomp.fi