GUSTAFS PANEL SYSTEM

WALL, ACOUSTIC SLOT PERFORATIONS

A PANEL WITH MANY UNIQUE BENEFITS

Most of our products are based on a fibre gypsum board which has very good properties regarding both fire safety and acoustics. The panel is less sensitive to changes in temperature and humidity which in turn maintains the panels’ linearity over time. All together, this unique combination contributes to a panel suited for applications not only in large areas but also in a wide variety of demanding situations.

fibrewg.jpg

FIBRE GYPSUM CORE

Our panels are based on a fibre gypsum board which has excellent properties regarding dimension stability, impact resistance, fire safety and acoustics, demands which effectively eliminate most traditional wood-based choices. Gustafs panels are not sensitive to changes in temperature and humidity which in turn maintains the panels’ linearity and flatness over time. Altogether, this unique combination results in a panel suited for large areas and a wide variety of demanding situations.

solidwoodedging.jpg

SOLID WOOD EDGING

Prior to veneering, a solid wood edging is integrated around the panel, disguising the core material. When the veneer is then applied it covers the wooden edge and effectively gives the panel the appearance of being entirely of wood. This process contributes to the total strength of the panel making it more robust and ensures its dimensional characteristics.

stability2.jpg

STABILITY

Wood based panels will show bulging or shrinkage when humidity and temperature change. A fiber gypsum board is considerably less susceptible to these effects. Over time this will result in a planer and more linear surface.

energy saving.jpg

ENERGY SAVING

Due to the panel’s high density and its low level of thermal conductivity, the material helps to maintain room temperatures at a constant level and reduces the need for cooling or heating.

sustainability.jpg

SUSTAINABILITY

Using a fiber gypsum core naturally results in extremely low emissions and a very high rate of recycled content. Being located in Sweden gives us the opportunity to produce with renewable power sources only.

fire.jpg

FIRE

The high density nonflammable core and the surface veneer’s strongly bound adhesion to the fiber gypsum board make our panels “non-flammable”. Reaction to fire A2-s1,d0, resistance to fire K,10/K,10.

Acoustically, the use of innately heavy wall cladding is often favourable compared to lighter materials. Gustafs panels weight of 15 kg/m² is roughly twice as heavy as most wood-based panel materials.

acoustics.jpg

IT’S A SYSTEM

Gustafs Panel System provides fully integral and concealed installation fixtures called Gustafs Capax. On top of that the installation is quick, reliable and cost saving, meeting the demands of today’s modern building processes. Due to the Fibre Reinforced Gypsum Core, the Gustafs Panels System is extremely dimension stable and allows beautiful “zero spacing installations” of large formatted panels up to 3000x1200 mm.

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**VENEER**

Wood has a natural variation in structure and colour tone which ages in harmony with nature. The fact that wood is a natural material is an intrinsic aspect of its charm and attraction. On Gustafs.com you find our veneer collection. It goes without saying that we do our utmost to fulfill requests for other veneers. We offer two choices of genuine veneer, NATURE and GEMINI.

**STAINED & PIGMENTED**

You can also apply pigmented lacquers or stain the veneer to achieve different effects on your wall or ceiling. Different veneers react different to certain treatments so contact us to guarantee that the final result matches your vision.

A pigment can be used to change the colour tone of the veneer on Gustafs Panels and we have for example developed a three stage scale of white pigment for veneers.

**LACQUER & GLOSS**

Prior to delivery the panels are given a resilient and attractive surface finish. A clear lacquered finish is by far the most common maintenance-free and durable finish for wooden surfaces. Utilizing a multi-stage UV-lacquering process, our surface finish achieves these demands while aspiring to maintain technical aspects such as our fire retardation and environmental goals. Our lacquer is a multi-layer UV-cured process which is available in a range of gloss finishes. The lowest gloss gives the impression of a subdued oiled surface whereas the highest reaches almost a mirror-like surface.

**LAMINATE**

Many interiors utilize the beauty, simplicity and resistance to impact of laminated surfaces. You choose what laminate* we should use. With laminates you can design beautiful surfaces that are durable, impact resistant and easy to clean. Of course we can supply these laminated panels with acoustic perforations and a fire classification that meets the high standards for public rooms.

We also offer a standard collection of metal laminates including, among others, aluminium, brushed steel and bronze, but you can also choose other laminates. Contact us for more information regarding laminates.

**SOLID PAINT**

Some surfaces are very highly demanding. Among the many advantages of a Gustafs panel is its plane and even surface. This enables us to create a painted surface finish which otherwise is extremely difficult to achieve on site. Utilizing our production technology we can produce painted surfaces in a multitude of colors in accordance with for example NCS or RAL codes up to a gloss rate up to 50.

**ART**

With Gustafs Art there are many options to decorate the panel surface, route out your logo or create a printed pattern over the entire surface come to us with your idea.

**BF-PRINT**

Gustafs can now offer new design opportunities with Gustafs BF-Print. You can design every panel in a completely unique way. Design panel by panel or spread your graphics over several panels with a seamless transference.

You can have your print directly on the veneer, laminate or craft paper.
**FIRE CLASSIFICATIONS**

Fire Classifications Gustafs Panel System

<table>
<thead>
<tr>
<th>System</th>
<th>Core Material</th>
<th>Modell</th>
<th>VENEER Lacquer</th>
<th>VENEER Stain</th>
<th>VENEER Paint</th>
<th>VENEER Print</th>
<th>HPL -</th>
<th>HPL Print</th>
<th>CPL -</th>
<th>CPL Print</th>
<th>FOIL -</th>
<th>FOIL Print</th>
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<tbody>
<tr>
<td>Gustafs Panel System</td>
<td>High Density Fibre Gypsum</td>
<td>Plain</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
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<tr>
<td></td>
<td></td>
<td>Perforated</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
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<tr>
<td></td>
<td></td>
<td>Nano</td>
<td>B-s1,d0</td>
<td>NA</td>
<td>NA</td>
<td>B-s1,d0</td>
<td>NA</td>
<td>B-s1,d0</td>
<td>NA</td>
<td>NA</td>
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<td></td>
<td></td>
<td>Stripes</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>B-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
<td>A2-s1,d0</td>
</tr>
</tbody>
</table>

**WALL INSTALLATION**

**EXAMPLE WALL ASSEMBLY**

1. Metal batten
2. 12 mm Plywood n.b. board
3. 12 mm Gypsum board
4. Capax profile
5. Gustafs panel

**EXAMPLE ACOUSTIC SECTION**

1. Battens and insulation
2. Capax profile
3. Gustafs panel
4. Battens and air space
5. Battens and insulation
6. Capax profile
7. Gustafs panel

**Gustafs Panel System / Wall / Acoustic Slot Perforations / Product Sheet 2018-01-17**
FIXED PANELS

1. 3204
2. 3205
3. 3206
4. 3207
5. 3208
6. 3209
7. 3210
8. 3211
9. 3212
10. 3213
11. 3214
12. 3215
13. 3216
14. 3217
15. 3218
16. 3219
17. 3220
18. 3221
19. 3222
20. 3223
21. 3224
22. 3225
23. 3226
24. 3227
25. 3228
26. 3229
27. 3230
28. 3231
29. 3232
30. 3233

Edges = G, GP, GF, GS, HP, HPX, RV, AV.

Solution number for order
 Normally B = 25-35 mm, D and E are variably.
 When group slotted B and C are variably, as A,
 D and E = constant.

### SX8 MAXI SLOTTED

- **Open Area:** 29% - **Absorption Class B**

### SMB MINI SLOTTED 8 MM

- **Open Area:** 26% - **Absorption Class B**

### SM5 MINI SLOTTED 5 MM

- **Open Area:** 15% - **Absorption Class C**

### RS8-C40 RIB SLOTTED 8 MM

- **Open Area:** 13% - **Absorption Class C**

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### Acoustic Values

#### Wall: 45 mm insulation + 30 mm air void (Hz/α_p)

- **Sound Absorption**

#### Ceiling: 45 mm insulation + 200 mm air void (Hz/α_p)

- **Sound Absorption**

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**Group measurement 200 mm x 200 mm.**

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**Group measurement 200 mm x 200 mm.**

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**Group measurement 200 mm x 200 mm.**

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**Group measurement 200 mm x 200 mm.**

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**Group measurement 200 mm x 200 mm.**

---

**Group measurement 200 mm x 200 mm.**

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### SHORT FACTS

<table>
<thead>
<tr>
<th>Type</th>
<th>Gustafs Panel System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>Reinforced fibre gypsum board, high density, 1150 kg/m³ (15.7 kg/m²)</td>
</tr>
<tr>
<td>Edges</td>
<td>Over veneered solid wooden edges on 4 sides</td>
</tr>
<tr>
<td>Edge design</td>
<td>Grooved for use the Capax installation system</td>
</tr>
<tr>
<td>Acoustic felt</td>
<td>Black / White</td>
</tr>
<tr>
<td>Thickness</td>
<td>13.2 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Standard: 600x600 / 1200x600 / 1500x600 / 1800x600 / 2400x600 mm</td>
</tr>
<tr>
<td></td>
<td>Customized: widths 300-1200 x lengths 300-3000 mm</td>
</tr>
<tr>
<td>Joints</td>
<td>Closed 0 mm (approved for all dimensions and both vertical &amp; horizontal)</td>
</tr>
<tr>
<td></td>
<td>Wall non-demountable: Closed 0 mm / Open 5 mm, 10 mm, 13 mm</td>
</tr>
<tr>
<td></td>
<td>Wall demountable: Open 5 mm, 10 mm, 13 mm</td>
</tr>
<tr>
<td>Installation system</td>
<td>Gustafs Capax, aluminium profiles gripping the full length of the sides of the panels, levelling and aligning the panels.</td>
</tr>
<tr>
<td>Reaction to Fire</td>
<td>A2-s1,d0 (EN 13501-1)</td>
</tr>
<tr>
<td></td>
<td>(Valid for the whole panel, including the installation system, the surface, the surface treatment and all kinds of post treatments like cutting, milling)</td>
</tr>
<tr>
<td>Resistance to Fire</td>
<td>K1-10/K2-10 (EN 13501-2)</td>
</tr>
<tr>
<td>TVOC</td>
<td>Approved emissions (EN ISO 16000-9)</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>Approved emissions (EN 717-1)</td>
</tr>
<tr>
<td>Urea formaldehyde</td>
<td>Not added</td>
</tr>
<tr>
<td>Recycled Material</td>
<td>17% Post Consumer</td>
</tr>
<tr>
<td>Certified Wood</td>
<td>FSC available, Certificate Code: SCS-COC-005137</td>
</tr>
<tr>
<td>EPD</td>
<td>Available</td>
</tr>
<tr>
<td>Production Site</td>
<td>City: Gustafs / country: Sweden</td>
</tr>
<tr>
<td>Life time</td>
<td>Expected &gt; 50 years</td>
</tr>
</tbody>
</table>

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