

# GUSTAFS PANEL SYSTEM

**GUSTAFS**   
DESIGNED FOR EYES AND EARS

## CEILING, PLAIN PANELS

### 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.



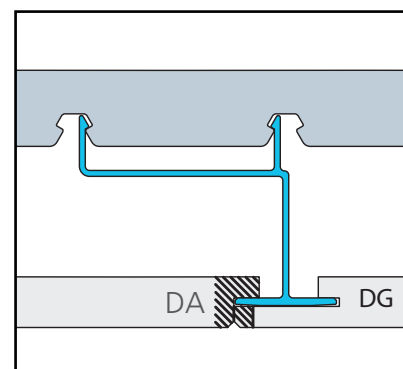
#### FIBRE GYPSUM CORE

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.



#### 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.



#### 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 3000x800 mm.



#### 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

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

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

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<sub>1</sub>10/K<sub>2</sub>10.



#### ACOUSTICS

Acoustically, the use of innately heavy wall cladding is often favourable compared to lighter materials. Gustafs panels weight of 15 kg/m<sup>2</sup> is roughly twice as heavy as most wood-based panel materials.



## 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.



## LACQUER & GLOSS

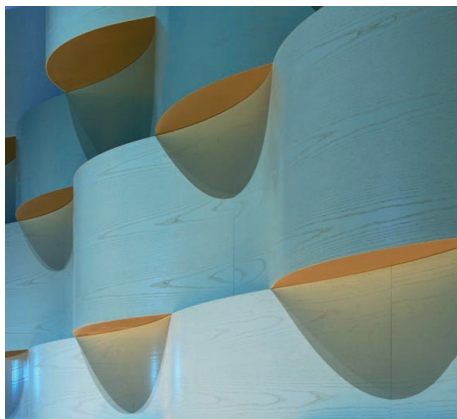
Prior to delivery the panels are given a resilient and attractive surface finish. A clear lacquered finish is by far the most common maintenance-free and durable finish for wooden surfaces. Utilizing a multi-stage UV-lacquering process, our surface finish achieves these demands while aspiring to maintain 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.



## STAINED & PIGMENTED

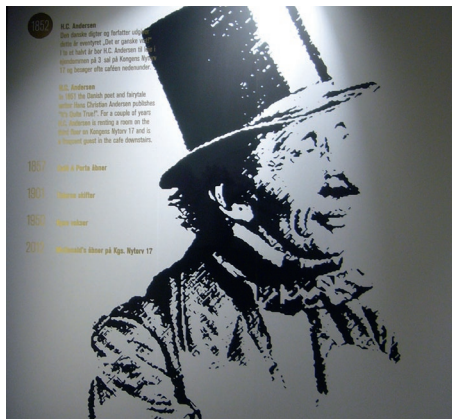
You can also apply pigmented lacquers or stain the veneer to achieve different effects on your wall or ceiling. Different veneers react different to certain treatments so contact us to guarantee that the final result matches your vision.

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.



## 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.



## 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.

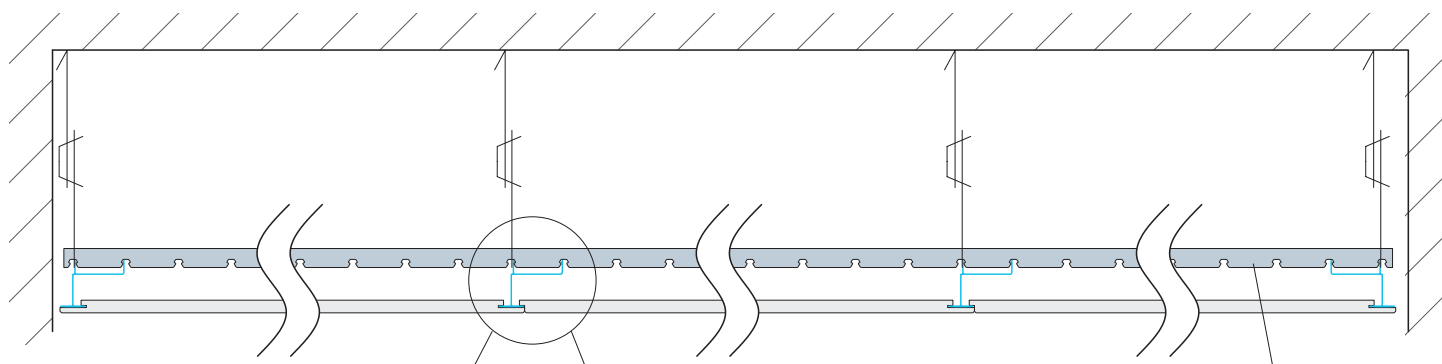
We also offer a standard collection of metal laminates including, among others, aluminium, brushed steel and bronze, but you can also choose other laminates. Contact us for more information regarding laminates.

# CEILING INSTALLATION SYSTEM

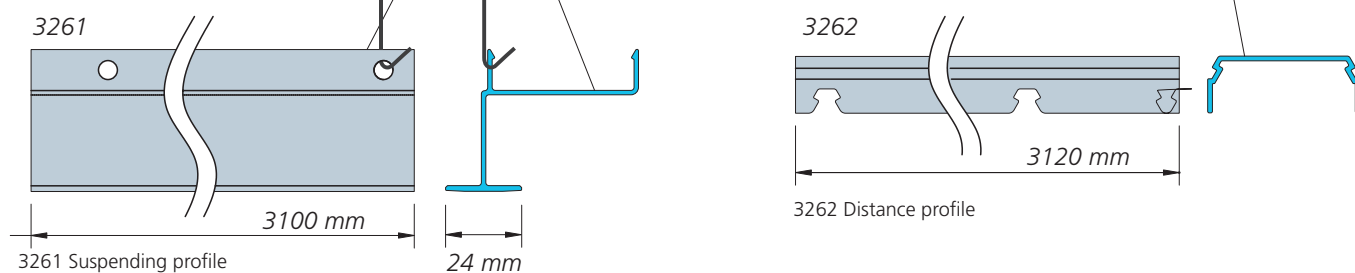
- The construction is torsionally rigid and self-bearing, lacking the need to fix onto adjacent walls.
- The system offers full panel demountability and thereby access to overlying technical installations while maintaining its overall stability and strength.
- Capax ceiling profile system is aesthetically appealing because totally hidden.
- The system is constructed for a panel width of 600 mm but even allows for a 50 mm variation between 300 and 600 mm.
- Capax suspended ceiling system consists of a robust T-profile main runner which supports

the panel's length. The broad side of the panels meet each other end to end with precision. The main runner profile is locked in place by means of a distance profile, thus creating a very stable grid system.

## THE SYSTEM - CAPAX CEILING SUSPENSION

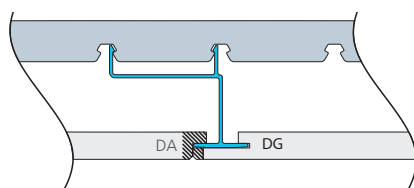


### THE PROFILES

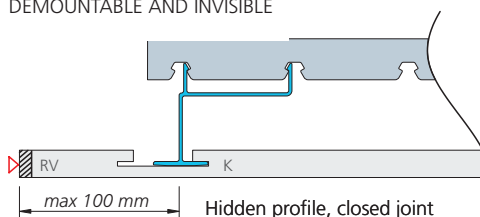


### EDGES & JOINTS

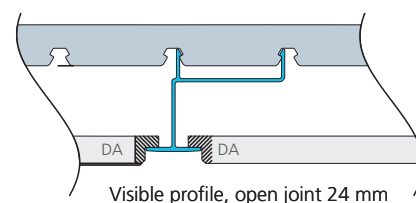
#### DEMOUNTABLE AND INVISIBLE



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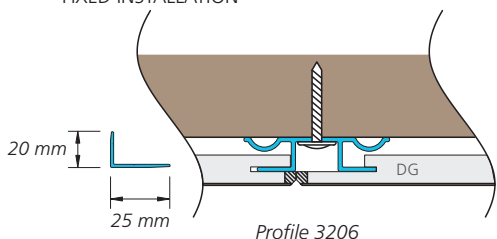


#### DEMOUNTABLE AND VISIBLE

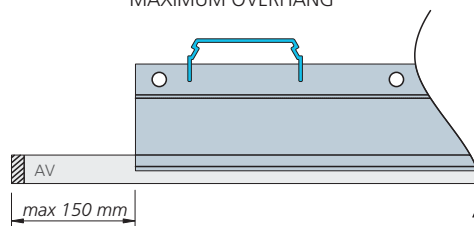


### SPECIAL

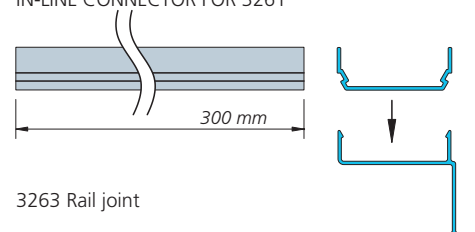
#### FIXED INSTALLATION



#### MAXIMUM OVERHANG



#### IN-LINE CONNECTOR FOR 3261



## FIRE CLASSIFICATIONS

### Fire Classifications Gustafs Panel System

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System	Core Material	Modell	VENEER				HPL		CPL		FOIL		
			Lacquer	Stain	Paint	Print	-	Print	-	Print	-	Paint	Print
Gustafs Panel System	High Density Fibre Gypsum	Plain	A2-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0
		Perforated	A2-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0
		Nano	B-s1,d0	NA	NA	B-s1,d0	NA	NA	B-s1,d0	B-s1,d0	NA	NA	NA
		Stripes	A2-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	A2-s1,d0	A2-s1,d0	A2-s1,d0

## SHORT FACTS

Type	Gustafs Panel System
Core	Reinforced fibre gypsum board, high density, 1150 kg/m <sup>3</sup> (15,7 kg/m <sup>2</sup> )
Edges	Over veneered solid wooden edges on 4 sides
Edge design	Grooved for use the Capax installation system
Acoustic felt	None
Thickness	13,2 mm
Dimensions	Standard: 600x600 / 1200x600 / 1500x600 / 1800x600 / 2400x600 mm Customized ceiling: lengths 300-3000 x widths 300-600 in 50 mm intervals
Joints	Ceiling demountable: Closed 0 mm / Open 5 mm, 10 mm, 13 mm
Installation system	Gustafs Capax, aluminium profiles gripping the full length of the sides of the panels, levelling and aligning the panels.
Reaction to Fire	A2-s1,d0 (EN 13501-1) (Valid for the whole panel, including the installation system, the surface, the surface treatment and all kinds of post treatments like cutting, milling)
Resistance to Fire	K1-10/K2-10 (EN 13501-2)
TVOC	Approved emissions (EN ISO 16000-9)
Formaldehyde	Approved emissions (EN 717-1)
Urea formaldehyde	Not added
Recycled Material	17% Post Consumer
Certified Wood	FSC available, Certificate Code: SCS-COC-005137
EPD	Available
Production Site	City: Gustafs / country: Sweden
Life time	Expected > 50 years

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