



**Solutions for demanding applications, where the product needs more than just the most basic properties**

**SASMOX**

# Sasmox gypsum-bonded wood-particle board – the quality benchmark for building boards

*"When I build a house for sale, I use conventional boards – but in my own house I use Sasmox." A comment by a construction professional that says it all.*

*Sasmox board sets a quality standard for building that is at its own unique level. A quality that can be seen and felt both during installation and after years of hard use. Especially if the board needs a special property – or even several properties simultaneously.*

Actually, we shouldn't talk about special properties. The rise in overall quality in construction means that real durability, sound insulation, fire safety, and healthiness are being increasingly demanded in wall, ceiling, and floor structures. Particular attention is paid to these aspects in public building. So why not be as demanding in all construction? Especially when there is a ready solution for high-quality, durable building. Sasmox board.



## **The best properties of both gypsum and wood**

83 % of the weight of Sasmox board is calcinated gypsum and 15 % is wood chips. That's all. One hundred percent is reached with the 2 % moisture content in a finished board at normal room humidity.

This means it's a pure natural product, created by the gypsum setting, aided by high pressure.

Sasmox board effectively combines the excellent properties of gypsum boards, such as healthiness, easy workability, and fire resistance, together with the best features of wood-based boards, such as strength, durability, and sound-insulating ability.

# All this in the same board!



## A pure natural product, a healthy solution

Sasmox board can be installed with no worries at all anywhere, from bedrooms to children's daycare centres. It contains no glues, and emits no noxious substances.

## It effectively insulates both impact and airborne sound

Good sound insulation is part of high-quality building, both in floors and in walls. It also permits thinner structures, which means more space at lower cost.



## It meets stringent fire safety requirements

There is no problem in approving Sasmox for even the most demanding applications like public buildings, schools, and hospitals. After all, gypsum will not burn and also protects the board's wood fibres from burning. A special board is also available for fire-resistant cladding of steel structures.

## Kick-resistant strength

The board's structure reinforced with wood fibres gives it excellent wear and impact resistance. This means less damage and repairs during installation. In use, Sasmox withstands knocks, impacts, and the most extreme reactions, year after year.

## It grips and holds

Quality in buildings also means that even the largest signboards and hooks can be easily and permanently attached to walls and ceilings.

Normal screws and ring-shank nails bite into Sasmox board tightly and firmly.



## Dense surface, easy to finish

Sasmox board's dense and strong surface can easily be given any finish you want. It can be painted, papered, tiled, or even given decorative rendering. The tongue-and-grooved joints are neat and need only a single row of screws to secure them.



## An impressively decorative acoustic surface for important rooms

Sasmox board is also available ready-surfaced, for example, with various wood veneers. When perforated in different ways, it also acts as an acoustic board everywhere, from concert halls to conference rooms, from halls and foyers to sound studios.

## In harmony with nature

As a pure natural product, Sasmox board creates no problems at any stage. On the contrary, even its manufacture uses by-product gypsum from the chemical industry, which is thus effectively recycled.



# Simply a good floor solution



*Floor structures in a cinema, Sanni Salati, Helsinki*



Thanks to its strength, one layer of Sasmox board is enough to make platform and sub-flooring. Multi-layer gluing and battening are not needed. A simple tongue-and-groove joint and screw attachment ensure a sturdy and stable result that will not creak. The

floor will easily support the weight of bookshelves, heirloom sideboards, and even large structures.

## **At its best in special solutions**

Sasmox board is wonderfully suitable for access and raised floors, as well as, for example, for the installation of underfloor heating. Even stringent sound and

fire-insulation requirements will be met at the same time. Sasmox is often also the wisest solution when creating fire compartments.



*Nordea Bank premises, R building, Satamaradankatu 3, Helsinki*

# Wall and ceiling solutions that stand up to life



*Pukimäki Secondary School, Helsinki*



*The Big Apple Mall, Espoo*



Its solid structure makes Sasmox an ideal building board for walls and ceilings. It is quite at home in loadbearing and compartmentalizing partitions. It withstands impacts and wear and its sturdy character will stiffen an entire structure. Feathered edges and paper jointing strips make joints invisible. And, if visible joints are desired, bevelled and butt-edged Sasmox boards provide an excellent solution.

The totality is crowned by good sound-insulation and fire-protection properties. Nor should the board's natural healthiness be forgotten in dwellings, schools, daycare centres, and similar buildings.



*Multi-purpose hall, Sipoo*

# A special solution for the fire protection of steel structures



*Kesko Oyj, Pitäjänmäki*



Sasmox has developed a special board, Sasmox SXP, for the fire-resistant cladding of steel columns and beams. Type-approved Sasmox SXP

is suitable for fire protection classes R30 – R180 in loadbearing structures. The fire protection board has a higher gypsum content than normal Sasmox board. The high-strength structure also makes the board highly suitable for other applications subject to high stress, such as commercial and industrial buildings, public buildings, and warehouses.

Thanks to the tongue-and-groove joints and simple attachment techniques, fire-resistant cladding for steel structures can be made rapidly. And it will also stand up to being looked at, as the boards can be surfaced just like normal Sasmox board, by painting, papering, and decorative rendering.



# A ready-to-use interior finishing solution to meet visual and official requirements

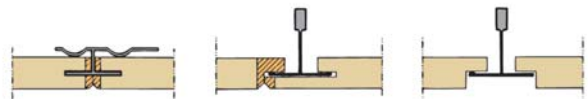


Public buildings, restaurants, conference centres, airports, theatres, libraries – Sasmox interior board is a quick and easy solution wherever good-looking walls and ceiling surfaces are needed. In it, the strength and fire-resistant properties of the base board are complemented with high-quality finished surfaces. Veneer surfaces include birch, pine, oak, beech, ash, alder, maple, and cherry – varnished, stained, and waxed. Painted, stained, waxed, and

building-board surfaced interior boards are also available.

## **A functioning system, rapid installation**

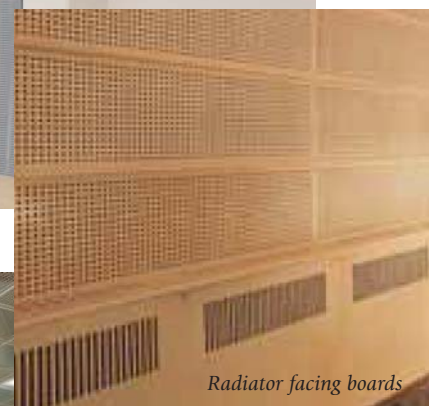
Sasmox has developed an ingenious bearer system for installing interior boards. The finished panels are secured in place using aluminium hidden bearing strips.



# Acoustic boards – a decisive experience for the ear too



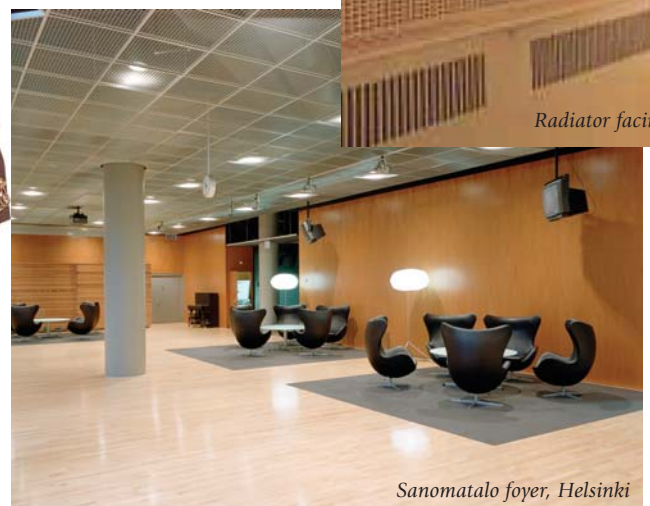
*Munkkiniemi Coeducational School, Helsinki*



*Radiator facing boards*

Like the interior boards, Sasmox acoustic boards can be used to create a stylish, varied surface quickly and easily. The alternative finishes and attachment methods are the same; as are the fire-resistance properties. But in addition differently sized and shapes acoustic perforations are made in the acoustic boards, according to the requirements of the application.

These improve the acoustics of the room, attenuate background noise, eliminate reverberation, and help the acoustic designer in many ways when seeking perfection.



*Sanomatalo foyer, Helsinki*

# Sasmox base boards, a strong base for the finishing business too



*Grand Casino, Helsinki*

Sasmox supplies its customers with ready-surfaced interior and acoustic boards.

We also supply specialist surfacing companies with unfinished base boards, particularly in the export markets in central and northern Europe and in the UK. Sasmox base boards provide companies in the sector with an easily finished base meeting official regulations, for the production of interior boards, furniture, and various structures. The high and even quality of the board, its solid structure and durability, as well as its fire resistance and healthiness are strong arguments for any expert finishing company.



# Huntonit puts the finishing touches to Finnish style

Besides Sasmox boards, the company also markets Norwegian Huntonit wall and ceiling panels in Finland. The compressed, wood-fibre panels, which are painted five times, are pure natural products and highly durable, just like Sasmox board.

The Huntonit range includes both wall and ceiling panels and half-panels – all ready surface-finished, ready for installation, stylish, and to the Finnish taste. The colour alternatives are refined and the surfaces easily cleaned.

Huntonit panels are installed using tongue-and-groove joints, either directly onto a wall or directly onto studs. If desired, the panels can be repainted while the trim can also be painted in the same shades (NCS-colours).



# Sasmox board's background in brief



- Sasmox Oy – more than 20 years of Finnish building-board know-how
- Part of the Norwegian Byggma ASA group
- Our factory is in Kuopio and our sales office in Vantaa
- Exports account for two-thirds of production
- We import other products of the group, such as Huntonit panels
- Certificates ISO 9001 and ISO 14001
- We have agreed to follow the environmental management guidelines of the International Chamber of Commerce

**Further information from:**

**[www.sasmox.fi](http://www.sasmox.fi)**

**[www.byggma.no](http://www.byggma.no)**



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