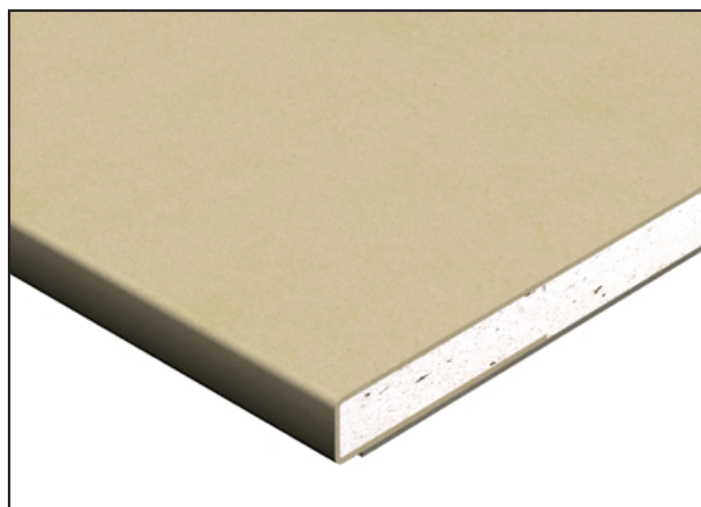


# Gyproc GTS 9 Sheathing Board

Gyproc GTS 9 is a 9.5 mm Sheathing Board. The water-repellent surface and the impregnated plaster core mean that the sheet has low water absorption. The external paperliner is specially treated and helps to prevent water from penetrating into the board, at the same time as it is open to diffusion. The Sheathing Board thus remains drier during the period of construction and can be exposed to the weather and wind for a limited period before the façade material is installed. The structure itself also has a lower overall moisture content as a result. Gyproc GTS 9 also contributes to the fire-resistant properties of the exterior wall and is classified as A2-s1, do.



## Field of application

Gyproc GTS 9 is designed for use as a wind barrier on exterior walls. It prevents cold air from penetrating into the wall, and at the same time it contributes to the wind bracing of the structure. Gyproc GTS 9 is not designed for use as interior cladding. The Sheathing Board must not be surface treated.

Gyproc GTS 9 Sheathing Board withstands exposure to the weather and wind for a limited period before the façade cladding is installed. The exposure time will depend on the weather conditions at the site, although it is estimated to be able to cope with up to 3 months' exposure in a Nordic climate on condition that installation is carried out according to Gyproc's instructions. The exterior wall structures for which the product is suitable are illustrated in the Gyproc Handbook.

## Properties

The properties that have given Gyproc GTS 9 such successes are, in addition to its direct wind-proofing properties such as high airtightness, low vapour resistance and good dimensional stability, the high rigidity of the sheet and its lightness when working.

## Good wind-proofing

Blow-through in the insulation is prevented by Gyproc GTS 9. The most important function of a sheathing board is to prevent air movements caused by the wind, which weaken the effect of the thermal insulation. Mineral wool insulation is normally used as thermal insulation in lightweight structures. In order for the mineral wool to insulate effectively, it must be protected against the effect of the wind with the help of a suitable wind barrier. The properties of the sheathing board will depend on both the airtightness of the material itself and the airtightness of the joints and connections. Gyproc GTS 9 possesses extremely good airtightness. The joints are sufficiently airtight if the sheets are secured in accordance with Gyproc's installation instructions. Adequate wind-proofing of non-supported connections between the sheets can be achieved by fitting Gyproc H 9 Profile in the joints.

### Low vapour resistance

Moisture from inside can escape through the structure into the air gap. Low vapour resistance is thus an important property for wind-proofing.

### High rigidity

Gyproc GTS 9 contributes to both temporary and permanent wind bracing.

### Easy to work and install

Screwing should be performed using the special Gyproc QU or QUB Quick screw. Detailed installation instructions can be found in the Gyproc Handbook under Installation.

### Handling on-site

It is important to follow the instructions. Although Gyproc GTS 9 exhibits enhanced moisture resistance, Gyproc GTS 9 must be protected from water during storage at the site and must be covered with a tarpaulin if necessary. Read Gyproc's instructions, "Instructions for handling plasterboard during the construction period and period of use with regard to moisture", in detail. These instructions can be requested from Gyproc.

### Gyproc GTS 9 during the period of construction

Gyproc GTS 9 exhibits enhanced moisture resistance in order to withstand precipitation during the period of construction, and it can remain exposed during the construction period for up to 3 months before the facade material is installed. Longer exposure time is not recommended, and other products within the Gyproc sheathing family should be used in such cases. Shorter exposure times should be selected in areas subject to heavy driving rain. It is necessary for Gyproc GTS 9 to be allowed an opportunity to dry out when it is not raining. Follow related Gyproc instructions.

### Gyproc GTS 9 in the period of use

The high degree of insulation stipulated for exterior walls today means that the sheathing board is exposed to a climate, i.e. temperature and humidity, that is almost the same as the outdoor climate. It is important for the facade to be executed in such a way that Gyproc GTS 9 is not exposed to free water during the period of use, as the opportunities for drying out will then be limited.

Board dimensions and weight	
	GTS 9
Width	1200 mm
Thickness	9,5 mm
Length	2400 - 3000 mm
Weight	7,2 kg/m <sup>2</sup>



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### Content of Gyproc plasterboards

Gyproc issues product information and detailed building material declarations on a continuous basis. Plasterboards consist of a core of plaster with a surface of paperboard. Impregnated sheathing boards such as Gyproc GTS 9 absorb water very slowly. Moisture in plasterboards can be avoided by observing Gyproc's instructions when handling the boards, when specifying construction solutions and when choosing suitable areas of application.

### Recycling

Gyproc plasterboards are recyclable. More information is found on our website [www.gyproc.fi](http://www.gyproc.fi).

### Edge execution

The sheet has paperboard-covered, straight long edges and cut, straight short edges. The sheet must not be surface treated.

### Fire classification

A2-s1, do.

### Properties of the product

See Gyproc Handbook.

### Type approvals



Technical Research Centre of Finland (VTT) type approval for racking resistance of building frames. Type approval number VTT-RTH-07811-08.

### Fire approvals and certificates

- Russian GOST R Certificate of Conformity (fire safety)
- VTT certificate number VTT-C-2149-07 and VTT's complementary statement VTT-S-08372-07 on fire behaviour of Gyproc products and systems used as fire walls and ceilings and fire incasement protection of load-bearing steel profiles.

### Additional information

For additional information on Gyproc boards contact Gyproc. Information and installation instructions are also found on the Internet [www.gyproc.fi](http://www.gyproc.fi).

Screws for Gyproc GTS 9 boards				
Product		Length mm	Pieces/box	Ø mm
<b>Wood and steel frame (steel frame max. 0,9 mm)</b>				
QU 32 Quick		32	1000	4,2
<b>Wood and steel frame (steel frame max. 2,1 mm)</b>				
QUB 31 Quick		31	1000	4,2
QUB 41 Quick		41	500	4,2