




DESCRIPTION

Wood Sandwich Panel with a top face of water-repellent chipboard in thickness of 16 or 19 mm and a bottom face of spruce frieze, **available in natural or with different traditional and water-based varnishes**. Its insulating core is made of high-density polystyrene foam, around 40 kg/m³, to ensure outstanding thermal insulation in all types of thermal insulation in all types of situations.

Its simple assembly means great savings for the customer: the panel incorporates a tongue and groove system that facilitates the correct meeting between two adjoining panels **to ensure maximum watertightness against leaks and humidity**.

In this way, the customer can enjoy **maximum protection** with a simple installation and, above all, a **spectacular finish**.

TECHNICAL DATA OF THE WOOD SANDWICH PANEL

Top Board	View Board	Core Foam	Thickness (mm)
Waterproof agglomerate	Spruce Frieze	Polyurethane (PUR) Polyisocionurate (PIR) Rock Wool Natural Cork	30 / 40 / 50 / 60 / 80 / 100 / 120 / 140 / 160 / 180 / 200
Varnishing type			
Varnish color 		Decape 	
Water based varnishes 			

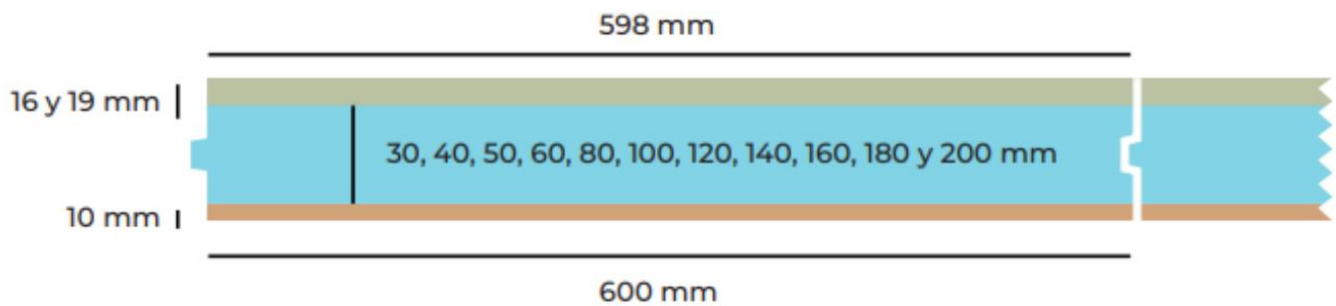
Size (mm)	2490 x 600	2990 x 600	3290 x 600	3590 x 600
Separation of supports (mm)	620 – 830 - 1245	745 – 990 - 1495	822 – 1010 - 1645	718 – 898 – 1197 - 1795

LOAD TABLE OF WOOD SANDWICH PANEL

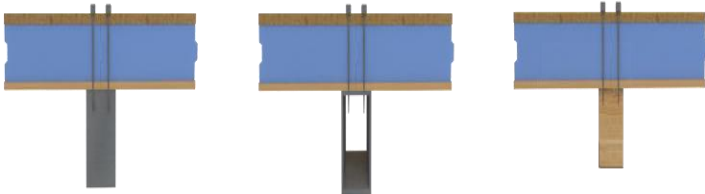
Length (mm)		2490	2990	3290	3590					
Support lights (mm)		1245	1495	1645	1795					
Thickness (mm)			Mechanical (3 supports) Arrow L/300 – Weigth in Kg/m ²				Coefficient of thermal transmission (W/m ² k)		Weight (Kg/m ²)	Panel per standard package
View Board	Core	Top Board					Top Board			
						WP 16 mm	WP 19 mm			
10	30	16	206	172	158	---	0,797	0,784	16,18	40
10	40	16	227	230	210	---	0,642	0,633	16,48	34
10	50	16	348	290	264	235	0,564	0,557	16,78	30
10	60	16	416	345	315	290	0,486	0,481	17,08	26
10	80	16	558	464	420	385	0,381	0,377	17,68	20
10	100	16	692	575	528	478	0,328	0,326	18,28	18
10	120	16	830	690	630	580	0,279	0,277	18,88	16
10	140	16	970	808	735	673	0,230	0,229	19,48	14
10	160	16	1110	925	840	768	0,203	0,203	20,08	12
10	180	16	1250	1040	950	870	0,187	0,186	20,68	10

Water vapor diffusion resistance factor (μ)	50 Dry / 50 Wet
Reaction to Fire	E
Airbone noise insulation	32.7 dBA Rw (C, Ctr) = 33 (-1,3)

CROSS SECTION OF THE WOOD SANDWICH PANEL



PANEL JOINTS



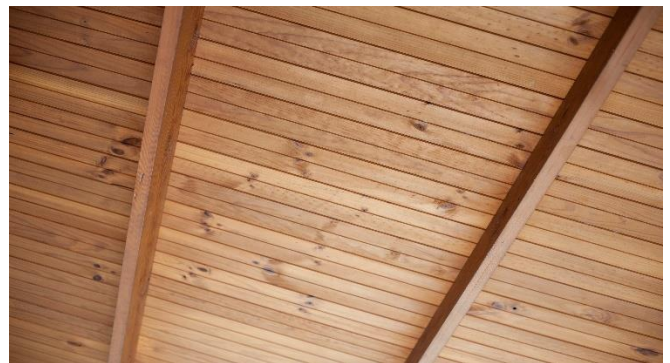
INSTALLATION



The Spruce frieze wood sandwich panel has a tongue and groove system that allows a correct meet between sides, thus facilitating the installation and assembly process. Thanks to this joining system, a cover of excellent quality are obtained, **minimizing thermal leaks**. In addition, the modular qualities of the panels allow speeding the assembly process, making it **faster and easier**.

As for the installation process, both plates are screwed to the structure; and the construction type will depend on the penetrating depth of the screw. For a wooden construction, the screw will penetrate 20 mm, and in a metal structure, about 50 mm. If you wish, you can ask one of our sales representatives for all the information regarding its installation and assembly. To meet the needs of each project, Panel Sandwich Group offers sandwich panels of a wide variety of dimensions, and thicknesses, adapting them to the aesthetic requirement of the client.

PHOTO



See our range of sandwich panels and accessories on our website <https://sandwich-panel.net>