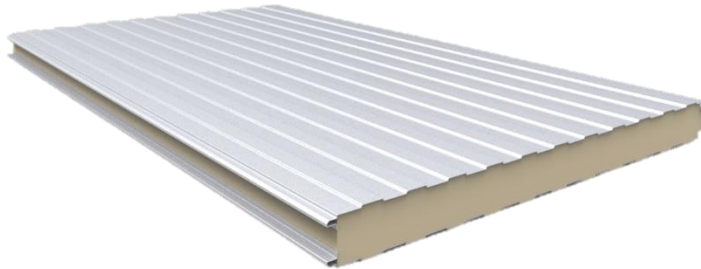


DESCRIPTION

Facade panel for cold storage and freezing chambers incorporating a reinforced EPDM jointing system with double nipple with EPDM gasket and double nipple to reduce thermal leakage, while maintaining the easy assembly of any sandwich panel. with EPDM gasket and double nipple to reduce thermal leakage, while maintaining the easy assembly of any sandwich panel. all sandwich panels.



Formed by two sheets of pre-lacquered and galvanized steel, the refrigeration panel differs from the rest of the conventional panels by the possibility of manufacturing it in very high thicknesses (up to 200 mm). thicknesses (up to 200 mm). In addition, it can withstand temperatures in deep-freezing chambers down to - 30°C. down to - 30°C. Its simple assembly means a significant saving for the customer compared to other materials that offer this level of protection. that offer this level of protection.

It can be installed both vertically and horizontally; some customers even install this façade panel in roof position. It can be installed vertically and horizontally; some customers even install this façade panel in a roof position. EN 508-1 standard, with various coatings available to the customer and PUR F foams to ensure maximum insulation. maximum insulation. Specially used for food preservation chambers, laboratories, etc.

TECHNICAL DATA OF THE COLD STORAGE PANELS

Outer Side	Inner Side	Thickness	Length
Pre-lacquered steel	Pre-lacquered steel	50 / 60 / 80 / 100 / 120 / 140 / 160 / 180 / 200	Up to 16 m

	Thickness (mm)					
	30	40	50	60	80	100
Length (mm)	Standard 2500 to 16000					
Width (mm)	1000 - 1100 - 1150					
Core density (kg/m ³)	40 (±2)					
Weight (kg/m ²)	11,4	12,2	13,0	14,2	15,4	16,2

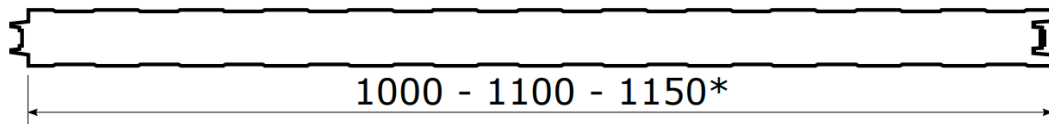
Deviation (mm)		
Length	L ≤ 3 m	± 5 mm
	L > 3 m	± 10 mm
Usable width	± 2 mm	
Thickness	D ≤ 100 mm	± 2 mm
	D > 100 m	± 2 %
Deviation from perpendicularity	6 mm	
De-linearization of the internal metallic parameters	± 3 mm	
Coupling of bottom plates	F = 0 +3 mm	

Thermal Insulation							
U	Nominal thickness of the panel (mm)						
W/m ² K	0,27	0,22	0,18	0,15	0,12	0,11	
Kcal/m ² h°C	0,23	0,19	0,16	0,13	0,11	0,09	

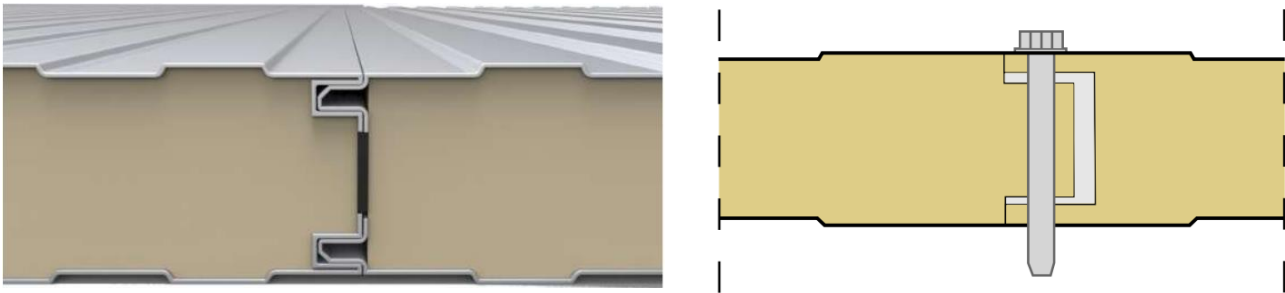
LOADS TABLES OF THE COLD STORAGE PANELS

Thickness (mm)	Light for 1 span (mm)						Light for 2 span (mm)					
	Nominal thickness of the panel (mm)											
	80	100	120	150	180	200	80	100	120	150	180	200
50	530	630	700	850	890	920	630	740	840	900	930	960
60	490	580	660	750	780	900	570	650	770	870	900	920
80	430	500	580	680	720	840	480	580	670	790	830	850
100	380	450	510	610	700	760	420	510	640	680	710	730
120	340	410	470	560	640	690	380	460	590	590	620	630
140	290	340	430	510	590	640	340	410	530	530	550	560
160	270	320	400	480	510	600	310	380	470	480	490	500
180	270	320	370	440	480	560	290	350	430	435	440	445
200	250	300	350	420	440	520	270	320	400	400	405	410

CROSS SECTION OF THE COLD STORAGE PANELS



PANEL JOINTS



The refrigerated Sandwich Panels represent an important economic saving in energy to maintain the temperatures in freezing and preservation chambers. maintaining the right temperatures in freezing chambers and product preservation. These cold room panels have the quality of a reinforced tongue and groove system to prevent temperature leaks and can be easily cleaned. to avoid temperature leaks and can be easily cleaned. This results in a This results in reduced assembly times. Thicknesses of between 60 and 100 mm are the most commonly used for rooms or chambers that must maintain a constant rooms or chambers that need to maintain a constant low positive temperature and want to optimize energy optimize energy consumption to maintain that temperature. Panels ranging from 120, 150 to 180mm are optimized for freezing chambers between 0° and -10°C. Lastly, the 200mm thick panels are used for industrial freezers or deep-freezing chambers capable of withstanding chambers capable of withstanding temperatures down to -30°C.

PHOTOS

