WALL

COLD STORE



Positive dry temperature micro-ribbed

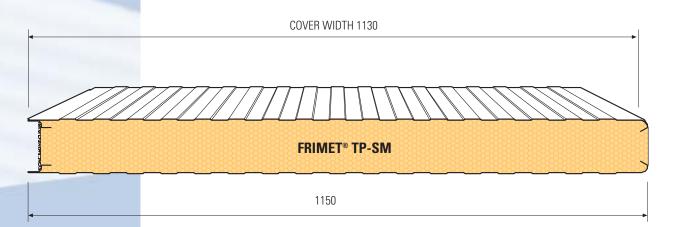
FRIMET® TP-SM is a range of self-supporting metal panels with state-ofthe-art PUR with a micro-ribbed male-female joint for the construction of positive temperature cold storage warehouses and rooms.

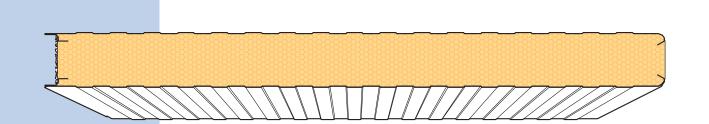
Frimet® TP-SM

The FRIMET® TP-SM range has been designed to provide a complete solution to the requirements of the cold storage industry, providing the following benefits:

HIGH THERMAL RESISTANCE, MECHANICAL RESISTANCE, DIMENSIONAL STABILITY, NON-WATER ABSORBENT, LIGHTWEIGHT, AESTHETICALLY PLEASING APPEARANCE, DURABILITY, EASE AND SPEED OF INSTALLATION.

The panels of the FRIMET® TP-SM range are available with self expanding seal joints, cover width 1130 mm, in 60 - 80 - 100 - 120 mm thicknesses.











Materials specifications

Polyester primer	5 micron			
Non-toxic food-graded STANDARD polyester finish paint, RAL 9010 color	20 micron			
Back-coat	5 micron			
Resistance to saline mist	≥ 500 h (ECCA T8)			
Resistance to moisture	≥ 1000 h (ASTM D2247)			
Panels foam specifications				
•	38 kg/m³			
Average density				
Panels foam specifications Average density Thermal conductivity Temperature range	38 kg/m²			

Table of safe spans

Maximum spans with $f \le 1/200$

Loads: panel weight + 20 daN/m 2 (due to negative pressure inside building) panel weight + 30 daN/m 2 (due to negative pressure inside building)

steel - steel

	S mm	Kcal Watt		Panel weight kg/m²			p						
l		m²h °C	m² °C	0,45+0,45	0,5 + 0,5	0,6 + 0,6	p = (daN/m²)	0,45+0,45	0,5+0,5	0,6+0,6	0,45+0,45	0,5+0,5	0,6+0,6
	60	0,29	0,34	9,95	10,77	12,41	<i>l</i> =	4,50	4,80	5,00	4,05	4,40	4,60
	80	0,22	0,26	10,71	11,53	13,17	<i>l</i> =	5,25	5,80	6,10	4,70	5,30	5,55
	100	0,18	0,21	11,47	12,29	13,99	<i>l</i> =	5,90	6,80	7,20	5,25	6,20	6,55
	120	0,15	0,18	12,23	13,05	14,75	<i>l</i> =	7,35	7,80	8,20	6,70	7,10	7,50







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