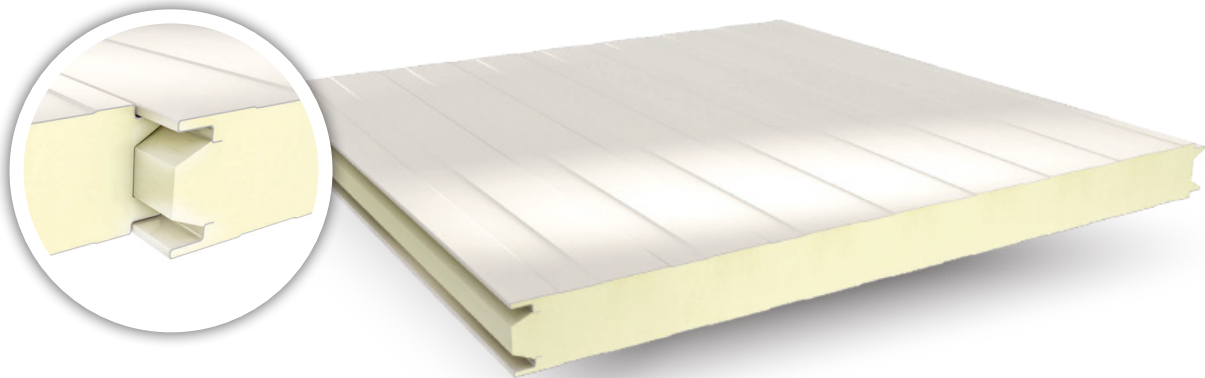


COLD ROOM PANEL



General Specifications

Panels are made of polyurethane with a density of 2.62 lb/ft³ (± 0.13). They also meet the B2 non-flammable standard under TS EN 13501-1. The panels are connected in a puzzle form and can be disassembled when needed. Wall and ceiling panels are produced in different thicknesses: 2.36 inches, 3.15 inches, 3.94 inches, 4.72 inches, 5.91 inches, 7.09 inches, and 7.87 inches. They are 39.37 inches wide and can be manufactured in custom lengths according to your specifications.

The interior and exterior surfaces of the wall panels are made of galvanized steel sheets with a thickness of 0.02 inches, coated in RAL 9002 authentic polyester color. Depending on their purpose, wall and ceiling panel steel sheets can be manufactured with stainless steel (Cr-Ni), PVC, galvanized steel, or polyester finishes.

The panels are smooth, hygienic, and easy to clean. Due to their hygienic properties, they are widely used in hospitals, grocery store storage areas, and pharmaceutical facilities. The panels prevent heat loss with their unique design and accessories.

Thickness (inches)	Thermal Resistance	Heat Transfer Coefficient	Weight lb/ft ²
Core Thickness (t) Width (w)	R(m ² K/W)	K Value W/m ² K	(0,5+0,5)
t=3.15 inches	3,68	0,27	2.42
t=3.94 inches	4,61	0.22	2.56
t=4.72 inches	5,52	0.18	2.74
t=5.91 inches	6,88	0.15	2.99
t=7.09 inches	8,25	0.12	3.20
t=7.87 inches	9,16	0,11	3.40

Panel Thickness (t)	Δt °F	Single Pan Uniformly Distributed Loads (lb/ft ²)									
		Span (ft)									
		9.84	13.12	16.4	19.69	22.97	26.25	29.53	32.81	36.09	39.37
t=3.15 inches	Out: 68°F	3543	2622	2089	1741	1495	1311	1167	942	778	655
t=3.94 inches	In: 32°F	4506	3318	2642	2192	1884	1639	1454	1188	983	860
t=4.72 inches		5469	4219	3380	2642	2274	1987	1761	1434	1167	983
t=5.91 inches	Out: 86°F	6390	4711	3789	3052	2540	2253	1966	1577	1311	1086
t=7.09 inches	In: -4°F	7845	5755	4629	3728	3113	2622	2294	1843	1516	1249
t=7.87 inches		8828	6452	5182	4240	3625	3175	2847	2458	2048	1700