PU COLD STORAGE SANDWICH PANEL

EUROPANELS
PRODUCER OF SANDWICH PANELS

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POLTHERMA CS X

Excellent insulation, combined with interesting panel profiling

Overal width selection



PolTherma CS X is a specialized cold storage sandwich panel with a PU rigid foam core for refrigeration applications, attached to the substructure with a stainless steel fastener through the entire thickness of the panel. In addition to its refrigeration application, the panel will perform well wherever high thermal insulation of the walls is most important. PolTherma CS X sandwich panel is particularly recommended in agribuilding as a wall structure or in the form of a suspended ceiling, e.g. in fruit and vegetable stores, freezers, cold stores, butcheries or slaughterhouses. PolTherma CS X is an excellent choice for agribusiness.

CS X panels features favorable coverage widths in mm:

1150 , 1130, 1100, 1000.

Available profiling:

- linear profiling – PolTherma CS X L
- micro profiling – PolTherma CS X M
- super-micro profiling – PolTherma CS X SM

Recommendations: seal the joint with sealing compound (butyl) along the entire length of the panel – mandatory for ceilings, optional for walls

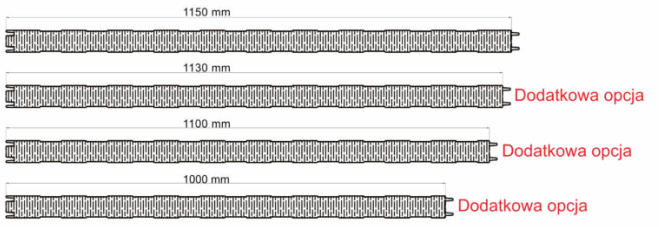
PolTherma CS X sandwich panel – application

- Coolers
- Freezers
- Slaughterhouses
- Butchers
- Fruit and vegetable storage facilities
- Food industry
- Agribusiness

Technical data

Modular (coverage) width [mm].	**1150**, 1130, 1100, 1000
Default coverage width	1150
Core	Europan PU Wall System Core – rigid polyurethane foam, λ_D = 0.022 W/(m·K) at +10°C including the effect of aging, according to PN-EN 14509:2013-12

Technical drawings



Available board thicknesses [mm]	**Thermal conductivity coefficient λ_D [W/(m·K)]**	**Heat transfer coefficient $U_{d,S}$ for profiling: M, L, SM, P [W/(m²·K)].**	**Weight 1 m² [kg].**	**Maximum number of panels in a package [pcs].**
120	0,022	0,18	12,6	9
140	0,022	0,15	13,3	8
160	0,022	0,13	14,1	7
180	0,022	0,12	14,8	6
200	0,022	0,11	15,6	5 – 6

Profiling

External profiling

PolTherma CS X SM



PolTherma CS X M



PolTherma CS X L

