

PW PUR-CH/PIR-CH

TABLE OF TECHNICAL PARAMETERS OF THE PW PUR-CH / PIR-CH PANELS

Parameter	Value			
thickness [mm]	120	160	180	200
modular width [mm]	1130 (optionally 1000 or 1050)			
length [mm]	2000 ÷ 15800			
weight [kg/m ²]	13,1	14,7	15,5	16,3
heat transfer coefficient U _c [W/m ² K]	0,18	0,14	0,12	0,11
acoustic insulation Rw [dB]	26			
reaction to fire PUR	B-s2,d0			
reaction to fire PIR	B-s1,d0			
resistance to external fire	NRO			
wall fire rating PUR	EI 20			
wall fire rating PIR	EI 30			
anti-corrosive protection	external C1, C2, C3 (C4 ÷ C5), internal A1 (A2 ÷ A5)			
organic coatings	SP 25, PU, AGRO, FOOD SAFE and other			
external facing	galvanized steel 0,5 ÷ 0,6 mm			
internal facing	galvanized steel 0,4 ÷ 0,5 mm			
available profilation types	external facing L, ML, MF, MR, G; internal facing L, R, G			
insulating core	rigid foam of 40 kg/m ³ in total density and with enclosed PUR (polyurethane) / PIR (polyisocyanurate) cells			
application	non-continuous application on external walls and as wall cladding, on the structural parts of walls and ceilings			
wall application layout	vertical or horizontal			



APPLICATION

Coldroom PW PUR-CH / PIR-CH sandwich panel is intended for warehouse structures where internal temperatures reach minus 25°C. The panel is characterized by very good thermal insulation properties and strength, as well as very high fire resistance properties (PW PIR-CH).

In particular PW PUR-CH / PIR-CH panels can be applied in:

- Industrial buildings,
- Coldrooms and freezers,
- Store houses,
- Food industry facilities,
- Agricultural objects.

PW PUR-D/PIR-D

TABLE OF TECHNICAL PARAMETERS OF THE PW PUR-D / PIR-D PANELS

Parameter	Value						
thickness [mm]	40	60	80	90	100	120	160
modular width [mm]	1050						
length [mm]	2000 ÷ 16000						
weight [kg/m ²]	10,2	11,0	11,8	12,2	12,6	13,4	15,0
heat transfer coefficient U _c [W/m ² K]	0,50	0,35	0,27	0,24	0,22	0,18	0,14
acoustic insulation Rw [dB]	23						
reaction to fire PUR	NPD			B-s2,d0			
reaction to fire PIR	B-s2,d0						
resistance to external fire PUR	B _{roof} (t ₁)						
resistance to external fire PIR	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)						
roof fire rating PUR	NPD			RE 30			
roof fire rating PIR	NPD			REI 30			
anti-corrosive protection	external C1, C2, C3 (C4 ÷ C5), internal A1 (A2 ÷ A5)						
organic coatings	SP 25, PU, AGRO, FOOD SAFE and other						
external facing	galvanized steel 0,5 ÷ 0,6 mm						
internal facing	galvanized steel 0,4 ÷ 0,5 mm						
available profilation types	external facing T; internal facing L, R, G						
insulating core	rigid foam of 40 kg/m ³ in total density and with enclosed PUR (polyurethane) / PIR (polyisocyanurate) cells						
application	non-continuous application on roofs and roof covers						



APPLICATION

Roof sandwich panel PW PUR-D / PIR-D is applied as roofs and roof covers. The panel is characterized by very good thermal insulation properties and strength, as well as very high fire resistance properties (PW PIR-D).

In particular PW PUR-D / PIR-D panels can be applied in:

- Industrial buildings,
- Store houses and logistic centres,
- Commercial buildings and offices,
- Food industry facilities,
- Agricultural objects
- Sport halls.