

IzoRoof PIR/PIR+

Roof panel with polyisocyanurate or polyurethane core. High surface profile.

- ① Profiled lining with a unique surface design.
- ② Large lining bend radius guarantees durability of the protective coating.
- ③ Seamless polyurethane seal, applied in manufacture, guarantees joint tightness
- ④ Capillary action preventing chamber.
- ⑤ Core made of stiff, freon-free, self-extinguishing PIR/PIR+ foam with very good thermal insulation properties.
- ⑥ Profiled edges guarantee tightness of joint
- ⑦ Protecting strip prevents diffusion, water and gas infiltration and steam penetration into the insulating core.
- ⑧ Bottom straight lock ('shelf-lap' joint)


Suitable for roofs of industrial buildings: production halls, storage buildings, commercial halls, shopping centres, farm facilities.

PIR/PIR+ core - stiff polyisocyanurate foam, thermal conductivity rating $\lambda = 0,022 \text{ W/m}^2\text{K}$ improved burning behaviour.

Steel sheet lining with anticorrosive protection depending on the intended use.

Mechanical properties						
thickness	60	80	100	120	140	160
modular width [mm]	1080					
total width [mm]	modular width +74 mm					
length [mm]	2000 - 16000*					
weight 0,5/0,4 [kg/m²]	10,2	11,0	11,8	12,6	13,4	14,2
weight 0,5/0,5 [kg/m²]	11,1	11,9	12,7	13,5	14,3	15,1
Insulating power						
U PIR/PIR+ [W/m²K]	0,35	0,27	0,21	0,18	0,16	0,14
Burning behaviour						
PIR+ fire resistance	—		REI 30	REI 30	REI 30	REI 30
PIR fire resistance	—	—	REI 15	REI 15	REI 15	REI 15
PIR+ reaction to fire	B-s2, d0		B-s1, d0			
PIR reaction to fire	B-s2, d0					
reaction to external fire PIR/PIR+	B _{ROOF} (t ₁)					
Acoustic properties						
acoustic resistance coefficient:						
R _w [dB]	26					
R _{A1} [dB]	24					
R _{A2} [dB]	21					
acoustic absorption coefficient α _w	0,15					
Leakproofness						
Air permeability: pressure	n = 0,6662, C = 0,0177					
Air permeability: suction	n = 1,2430, C = 0,0044					
Blowing rain resistance	A class - absolute leakproofness at 1,200 Pa					

*maximum length depending on the panel colour – see the "Tips for colour selection" section

Panels are manufactured in accordance with PN-EN 14509:2013 and have the  mark.