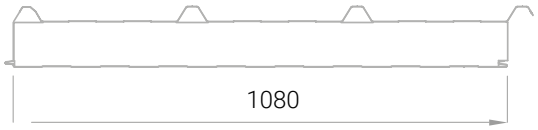
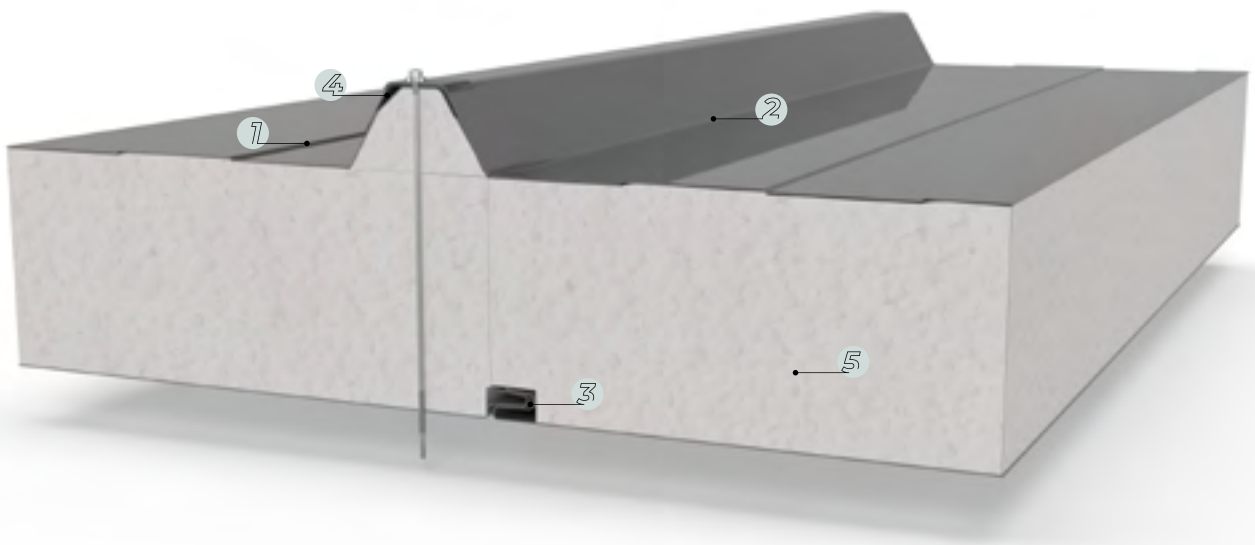
IzoRoof EPS

Roof sandwich panel with expanded polystyrene core. High surface profile.





1 Profiled lining with a unique surface design.

2 Large bend radii guarantee durability of lining protective coatings.

3 Profiled edges guarantee tightness of joint.

4 Capillary action preventing chamber.

5 EPS core.

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

EPS core - expanded polystyrene, λ = 0,040 W/m*K

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

- production halls
- storage buildings
- commercial halls
- shopping centres
- farm facilities

Suitable for roofs of industrial buildings.

Mechanical properties

thickness [mm]	75	100	125	150	200	250
modular width [mm]	1080					
total width [mm]	modular width + 74 mm					
length [mm]	2000 - 15000*					
weight 0,5/0,4 [kg/m²]	9,0	9,4	9,7	10,2	10,9	11,7
weight 0,5/0,5 [kg/m²]	9,9	10,3	10,7	11,0	11,8	12,5

Insulating power

U [W/m²K]	0,49	0,38	0,30	0,26	0,19	0,16

Burning behaviour

reaction to fire	E
fire propagation	B_{ROOF} (t_1)

Acoustic properties

acoustic resistance coefficient:	
R_w *[dB]*	NPD
R_{A1} *[dB]*	NPD
R_{A2} *[dB]*	NPD
acoustic absorption coefficient α_w	-

Leakproofness

Air permeability	NPD
Blowing rain resistance	NPD
Corrosion resistance	External claddings: RC3, internal claddings: RC2 **

* maximum length depending on the panel colour – see the "Tips for colour selection" section
** The RC2 corrosion resistance class refers to standard corrosion protection used only on internal cladding. Higher corrosion resistance category on special order.