



IzoRoof EPS

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

- ① Profiled lining with a unique surface design.
- ② Large lining bend radius guarantees durability of the protective coating.
- ③ Profiled edges guarantee tightness of joint.
- ④ Capillary action preventing chamber.
- ⑤ EPS core.

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

EPS core - expanded polystyrene, $\lambda = 0,040 \text{ W/m}^2\text{K}$.

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

Mechanical properties												
thickness	60*	75*	80	100*	120	125*	140	150*	160	175	200*	250*
modular width [mm]	1080											
total width [mm]	modular width +74 mm											
length [mm]	2000 - 15000**											
weight 0,5/0,4 [kg/m ²]	8,8	9,0	9,1	9,4	9,7	9,7	10,0	10,2	10,3	10,5	10,9	11,7
weight 0,5/0,5 [kg/m ²]	9,7	9,9	10,0	10,3	10,6	10,7	10,9	11,0	11,2	11,4	11,8	12,5
Insulating power												
U [W/m ² K]	0,61	0,50	0,47	0,38	0,32	0,31	0,28	0,26	0,24	0,22	0,19	0,16
Burning behaviour												
reaction to fire	-											
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	$\leq 1,5 \text{ m}^3/\text{h}^*\text{m}^2$ at pressure difference of 50 Pa											
Blowing rain resistance	A class - absolute leakproofness at 1,200 Pa											

* AT-15- 5340/2014 applies to sandwich panels with panel thickness of: 50, 60, 75, 100, 125, 150, 200, 250 [mm]

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

Sandwich panels are manufactured according to Technical Approval AT-15-5340-2014