



IzoRoof MWF

Roof sandwich panel with mineral wool core.
High surface profile.

- ① Profiled lining with a unique surface design.
- ② Large lining bend radius guarantees durability of the protective layer.
- ③ Capillary action preventing chamber.
- ④ Core made of hard incombustible mineral wool (MWF).
- ⑤ Profiled edges guarantee tightness of joint.

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

Mineral wool core $\lambda = 0,040 \text{ W/m} \cdot \text{K}$ and density $\rho = 100 \pm 20 \text{ kg/m}^3$.

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

Mechanical properties													
thickness	60	75	80	100	120	125	140	150	160	175	200	230	250
modular width [mm]	1080												
total width [mm]	modular width +74 mm												
length [mm]	2000 - 15000*												
mass 0,5/0,5 [kg/m²]	15,6	17,3	17,8	20,0	22,2	22,8	24,4	25,5	26,6	28,3	31,0	34,3	36,5
mass 0,5/0,6 [kg/m²]	16,5	18,2	18,7	20,9	23,1	23,7	25,3	26,4	27,5	29,2	31,9	35,2	37,4
mass 0,6/0,6 [kg/m²]	17,4	19,1	19,6	21,8	24,0	24,6	26,2	27,3	28,4	30,1	32,8	36,1	38,3
Insulating power													
U [W/m²K]**	0,61	0,50	0,47	0,38	0,32	0,31	0,28	0,26	0,24	0,22	0,19	0,17	0,16
Burning behaviour													
fire resistance	-		≥REI 90**										
reaction to fire	A2-s1, d0**												
roof resistance to external fire	B _{ROOF} (t _i)**												
fire propagation	fire retardant **												
Acoustic properties													
acoustic resistance coefficient:													
R _w [dB]	31 **												
R _{A1} [dB]	29 **												
R _{A2} [dB]	27 **												
acoustic absorption coefficient α _w	0,10 **												
Leakproofness													
air permeability	Perfect leakproofness at pressure difference -50/+50 Pa												
blowing rain resistance	A class - perfect leakproofness at 1200 Pa												

* non-standard lengths to be agreed with the production department

** expected values, testing in progress

Panels are manufactured in accordance with PN-EN 14509:2010 and have the  mark.