EUROPANELS
PRODUCER OF SANDWICH PANELS

www.europanels.pl

POLDECK MD

High resistance to chemicals and atmospheric agents



PolDeck MD is a roof sandwich panel with a core of rigid polyurethane (PU) foam, an inner lining of polyester resin, laminated – hence the name laminate, reinforced with glass fiber, and fixed to the substructure with a fastener passing through the entire thickness of the panel. The number of fasteners is determined by load tables and design loads.

The outer facing is metal, as in standard TD roof panels. The PolDeck MD panel is designed mainly for use in livestock buildings, where there is an elevated concentration of aggressive substances that increase the corrosiveness of the environment.

The PolDeck MD panel is also suitable for use in horticulture, storage facilities, warehouses, cattle sheds, and poultry houses, in buildings with a roof pitch of at least 4° (7%) for continuous panels and 6° (10%) for panels joined lengthwise, with skylights, etc.

Available profiling:

- trapezoidal profiling – PolDeck MD T
- micro-trench profiling – PolDeck MD TM

Advantages of PolDeck MD roof sandwich panels:

- **low water absorption** – less than 1%
- **Resistance to chemicals and biological agents:**
  - acids / very good
  - spirits / very good
  - principles/goods
  - solvents / good
  - ammonia / very good
  - moulds / very good
- **laminate surfaces can be washed with a water pressure washer with the proper distance and direction of washing**
- **working temperature -40°C to 110°C**

PolDeck MD sandwich panel – applications

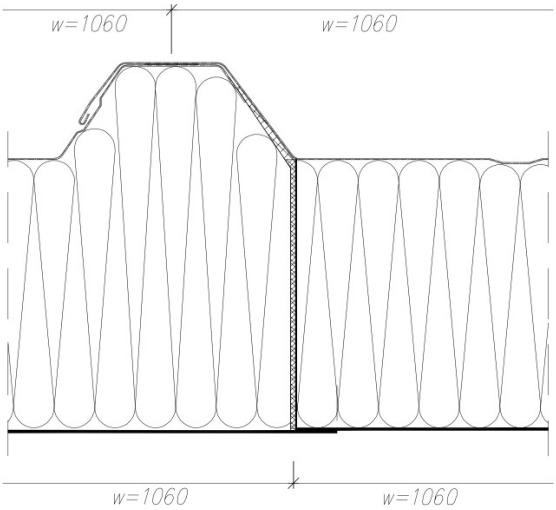
- Livestock facilities
- Fruit and vegetable storage facilities
- Magazines
- Cowsheds
- Chicken coops
- Pigsties
- Gooseberries
- Other facilities with ammonia in the atmosphere

Technical data

Modular (coverage) width [mm].	1060
Core	Europan PU Roof System Core — rigid polyurethane foam, λ_D = 0.022 W/(m·K) at +10°C, accounting for the aging effect

Available board thicknesses [mm].	Thermal conductivity coefficient λ_D [W/(m·K)].	Heat transfer coefficient $U_{d,S}$ [W/(m²·K)].	Weight of 1 m² [kg].	Maximum number of boards in a package [pcs].
40/75	0,028	0,62	6,47	18
60/95	0,028	0,43	7,23	14
80/115	0,027	0,32	7,98	10
100/135	0,027	0,26	8,74	8
120/155	0,026	0,22	9,50	8

Connections



Profiling

External profiling

PolDeck MD T



PolDeck MD TM



PolDeck MD LAMINAT

