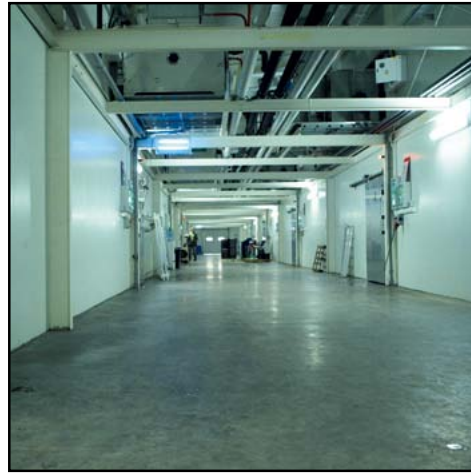




**MUSHROOM FARM
TYPE 4**

MUSHROOM FARM TYPE 4



IMPLEMENTATION

Similar to Type I it is dedicated for advanced mushroom growers interested in mushroom cultivation in 4-row rooms with extended growing area to 562,80 m², 844,20 m², 1125 m² and more depending on the room length.

Rooms are made as 1-nave frame system with the common side wall made of poliurethane core, but every room is a separate part of the building. Corridor can be central or side, depending on the investment and the plot area.

ADVANTAGES

- Module system: free-standing rooms allow planning the further extension without interruption of the current production. The construction of growing rooms is connected with a corridor construction which decreases steel consumption. Frame construction reduces the costs of foundation works. Lack of contact between rooms reduces the risk of diffusion of the infection from one room to another
- Cost-effectiveness thanks to the use of sandwich panels with polyurethane core what allows to obtain high-level insulation of walls and roof and reduce heating and cooling cost of growing rooms
- Stable climate conditions thanks to the repetitive geometry of the rooms.
- Functionality because of the universal construction it is possible to use the buildings for other purposes.
- Short time of investment's implementation thanks to system construction and sandwich panel covering
- Excellent sealing thanks to technical solutions and panel sandwich covering
- Hygiene and durability thanks to galvanized steel construction and sandwich panels made of steel metal sheet, coated with polyester

PARAMETERS

GENERAL FEATURES

- Construction: steel, bolted, hot deep galvanized
- Covering made of sandwich panels with poliurethane core
- Walls thickness 80mm /heat transfer coefficient $U_c=0,26 (W/m^2K)$ /
- Roof thickness 100/140 mm [heat transfer coefficient $U_c=0,20 (W/m^2K)$]
- 4-row growing rooms with double-pitched roof with a comb perpendicular to the axle of the corridor, which can be central or side with mono-pitched independent roof.
- Recommended length of the room – 24m, 34,5 m, 45m
- Recommended width of the room – 12,40 m
- Side walls height – 4,4 m
- Suggested growing area: 562,80 m², 844,20 m², 1125,60 m² /for 5-bed shelving/
- Side/central corridor with mono-pitched independent roof

ADDITIONAL OPTIONS

Building project of the mushroom farm, foundations executive project, technological projects, project executive supervision: general contracting, colour and thickness of panel covering according to Client's requirements; special layers of sandwich panels /PVDF/; growing rooms doors and gates with free-form opening hole performed as sliding/hinged; variety of additional options connected with functionality of the building and equipment.