



Polysec Coldrooms Limited
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POLYURETHANE (PUR) INSULATED PANELS

SPECIFICATION - JANUARY 2004

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Specification:

Panel faces:

All panel faces are from 0.55mm galvanized steel sheet, shallow "Polyrib" profile as standard.

Surface finish:

1. Self colour galvanized or aluzinc sheet.
2. Smooth white, foodsafe, PVC laminate.
3. Coloured leathergrain, "HP200" Masterline / "HPS200".
4. Other surface finishes are available, please ask.

Core:

Panels are insulated with injected rigid polyurethane foam. This system contains no CFCs, HCFCs, or any material alleged to damage the ozone layer and has therefore an Ozone Depletion Potential of Zero.

Overall target density 38/42kg / cubic meter.

Average thermal conductivity (K factor) 0.022 W/mk.

(U value = K factor / thickness, expressed as a decimal of 1 metre, see Thermal Conductivity Sheet)

Joints:

All long edges are formed with interlocking tongue and groove, and are locked together with non-metallic Allen key operated "Polylocks" @ 800mm centres, 400mm from base of panel.

Rebates can be formed in short edges of panel. Standard rebate depth is 25mm.

Fire Ratings:

The polyurethane foam system contains a fire retardant and has been tested in accordance with BS 4735: 1974 "Laboratory Method of Test For Assessment of the Horizontal Burning Characteristics".

Surface spread of flame is to BS 476 part 7 Class 1 for pvc laminate, and Class O for galvanized finish.

Sizes:

Length: Any length up to 8.900 mtrs.

Width: All panels are nominal 1.200 mtrs wide. (Our modular coldroom system offers other panel widths see Panel Information Sheets 1 & 2).

Thickness	Maximum lth	Maximum ceiling span	Safe uniform distpt. load	Approx. Weight -mtr sq
75mm	8.900 mtrs	3.600 mtrs	70 kg/sq mtr	12 kg/m sq
100mm	8.900 mtrs	4.800 mtrs	70 kg/sq mtr	13 kg/m sq
125mm	8.900 mtrs	6.500 mtrs	70 kg/sq mtr	14 kg/m sq (floor panels add 16 kg/m sq)

Dimensional Tolerances:

Panel length: +/- 0.1% of target.

Panel width: +/- 0.1% of target.

Panel thickness: +/- 2% of target.

Disposal of waste:

Waste disposal should be in accordance with the Environmental Protection (Duty of Care) Regs. 1991.

The mixed foam / panel maybe sent to landfill.

Information is given for guidance only and may change without notice.