




Polysec Coldrooms Limited
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POLYURETHANE (PUR) INSULATED PANELS

THERMAL CONDUCTIVITY - JANUARY 2004

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K factor is quoted as the particular value (W/mk at +23°C mean temperature) relating to the insulating material regardless of thickness, i.e. polyurethane.
(current system (1326) utilises a totally free CFC blowing agent as defined by the Montreal Protocol).

Current typical K factor = 0.020 W/mk (BASF)

U value is the K value relative to the thickness of insulation.
(U value = K value divided by insulation thickness express as a decimal of 1 metre).
U value is detailed as $w/m^2/c$. (multiply by 0.1761 to convert to Btu/sq.ft./hr/deg F)

Current typical U values =	75mm thickness	0.266 $w/m^2/c$
	100mm thickness	0.200 $w/m^2/c$
	125mm thickness	0.160 $w/m^2/c$