

PANEL APPLICATIONS 1



COLD AND FREEZER ROOMS

COLD ROOMS

The **BANDA** name has been synonymous with our Cold rooms leaving one assured of absolute quality and service. Urethane injected, pre machined chromodeck panels, include a tongue and groove interlinking system, and a unique internal 'camlock' to ensure flush clean adhesions between panels. Producing well over 300 cold rooms annually we will custom-make to your specific requirements.

Our range of cold rooms have been utilized for the following applications Food Distributers, Chain stores, Bottle stores, Supermarkets, Butcheries, Florists, Hotels, Bakeries, Pubs, Abattoirs, Transport Boxes, Greengrocers, Seed Storage, Domestic use and Mortuaries to mention a few.



FREEZER ROOMS

As with our cold rooms, our freezer units are manufactured to the same quality, this time increasing the wall thickness and including floor panels for absolute temperature control. We manufacture our freezers to our customers specific requirements, as well as numerous combination units of both cold and freezer rooms, catering to both the food retail industry and the restaurant sector. We also produce blast freezers for fast freezing or for circumstances where a rapid drop in temperature is required.

POLYURETHANE

Foam Thickness	K Factor	U Value
mm	W/M Deg C	W/MSq. Deg.C
20	0.023	.981
25	0.023	.877
35	0.023	.600
40	0.023	.529
50	0.023	.431
75	0.023	.293

The main difference between using either a Polyurethane core as opposed to Polystyrene is the insulating factor, with that of Polyurethane having a higher insulating factor for the same wall thickness. Which may become a factor where one is limited to a specific size or space for that installation.

Table shows the comparative wall thickness used to achieve similar insulation values using either polyurethane or polystyrene.

POLYURETHANE mm	POLYSTYRENE mm	TEMP DEG C
40	50	+10
50	75	Economy Cold room
60	100	+1
80	150	-10
100	200	Ultra Low



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