

Factory-insulated metal panel systems for walk-in coolers, walk-in freezers, process rooms, pharmaceutical cold rooms and refrigerated warehouses. Supplied and installed by WFE, or supply-only with a cut list for contractor installs. Delivery across Ontario; larger projects across Canada by arrangement.

THICKNESS AND R-VALUE (KINGSPAN QUADCORE)

Thickness	R-value	Typical use
2"	R-18	Process rooms, partitions
2.75"	R-24.75	Light-duty cooler walls
3"	R-27	Prep rooms, small coolers
4"	R-36	Standard walk-in cooler
5"	R-45	Walk-in freezer, high-ambient cooler
6"	R-54	Freezer standard, blast-freeze zone
8"	R-72	Refrigerated warehouse, low-temp distribution

Norbec polyurethane panels land in the same band per thickness; the installed-wall value is quoted on your drawing.

BY APPLICATION

Application	Thickness	Notes
Walk-in cooler	4"	R-27 to R-36 installed wall
Walk-in freezer	5" to 6"	R-40 to R-54, insulated floor, heated door frame
Blast-freeze zone	6"	Built into a custom freezer
Process / prep rooms	3" to 4"	Stainless or PVC facings for wash-down
Refrigerated warehouse	5" to 8"	Long-span ceilings, engineered support

METAL FACINGS AND FINISHES

- **Prefinished galvanized steel:** 26ga, 24ga or 22ga; stucco embossed or smooth; white standard.
- **Stainless steel Type 304:** #2B or #4 brushed; meat, dairy and washdown rooms.
- **Food-grade PVC laminate:** Smooth non-corroding interior for USDA-style and CFIA processing rooms.
- **Core and joint:** High-density polyurethane (Norbec) or Quad-Core (Kingspan); concealed cam-lock, factory-applied sealant, tongue-and-groove vapour-tight seam.

SIZING

- **Kingspan QuadCore:** 45-3/8" module; lengths 8' to 53'; vertical wall and ceiling; long spans for warehouse rooms.
- **Norbec:** Widths 6" to 47" cut to plan; lengths 6' to 18'; vertical wall and ceiling.
- **Custom cut lists:** Odd widths, corners, door sections and ceiling spans cut to your drawing. Send the floor plan; we return a panel schedule.
- **Doors:** Coldmatic swing and sliding doors pre-hung in a matching panel section, Kason hardware; magnetic gasket (cooler) or heated frame (freezer).

FIRE AND FOOD-SAFETY COMPLIANCE

- **CAN/ULC-S102 and ASTM E84:** Surface-burning results on every data sheet supplied.
- **FM Approved assemblies:** FM 4880 Class 1 wall and ceiling assemblies where required.
- **CAN/ULC-S138, NFPA:** Additional fire testing on the Kingspan QuadCore system.
- **NSF/ANSI 7, O. Reg. 493/17:** Smooth, non-absorbent, cleanable factory interiors.
- **CFIA, HACCP, SQF, BRC:** Certifications delivered with the build record.