

Cold Room Installation Inspection Checklist

A practical site checklist covering floor preparation, panel alignment, sealing, refrigeration checks, door testing and final commissioning before handover.

1. SITE & PROJECT HANDOVER INFORMATION

Cold Room Asset / Site ID	_____	Inspection / Handover Date	____ / ____ / 2026
Target Temperature Setpoint	_____ °C	Lead Engineer / Inspector	_____

2. INSTALLATION SIGN-OFF PROTOCOL

- ☐ **1. Sub-Floor Preparation & Slab Leveling**
Verify sub-floor slab level, cleanliness, and underfloor insulation/ventilation mat placement to prevent thermal bridging and frost heave.
- ☐ **2. Panel Structural Alignment & Cam-Lock Engagement**
Confirm modular wall and ceiling panels are plumb, square, and fully locked via internal cam-lock mechanisms with no visible gap formation.
- ☐ **3. Vapour Seal & Silicone Joint Integrity**
Inspect continuous internal and external food-grade silicone sealant beads along all panel joints, ceiling suspensions, and floor coving tracks.
- ☐ **4. Refrigeration Pipework & Electrical Safety Checks**
Check suction line insulation, pressure leak testing, evacuation vacuum levels, and waterproof electrical isolator switch positions.
- ☐ **5. Door Hardware, Frame Heaters & Safety Latches**
Test perimeter door gasket seals, frame heater operation, bottom sweep wipers, and interior panic release push-rod overrides.
- ☐ **6. Plant Pulldown, Defrost Routing & Final Handover**
Monitor target temperature pulldown rates, verify trace-heated condensate drain lines, and record final controller parameters before site sign-off.

3. TURNKEY INSTALLATION & TECHNICAL SUPPORT

Commercial Installation & Commissioning Services:

Need professional cold room installations, F-Gas certified plant commissioning, or post-installation maintenance? Contact the cold chain team at **Cold Room Plus**.

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