

## Enclosure Specification

### Structure.

- Heavy gauge mild steel base frame.
- Hot dip galvanised base to BS EN 1461.
- Mild steel galvanised superstructure.
- Slotted superstructure for rapid fixing of attachments.
- Designed to accommodate the full operating load of the installed equipment.

### Floor.

- Steel floor plates.
- Finished one coat primer and coated in a zinc rich semi gloss.
- Joints mastic sealed to provide a water tight deck.
- Foil faced Celotex insulation board fixed to the underside of the floor to prevent condensation.
- Floor drain incorporated.
- Walkways fitted with non-slip rubber mats.

### Cladding System.

- 45mm thick composite insulated building panels.
- Insulation core LPCB certified to LPS 1180 grade 'B' HCFC.
- Thermal transmittance value of 0.43 W/m<sup>2</sup>K.
- HCFC free urethane foam core.
- Ozone Depletion Potential (ODP) of zero.
- External pre-coated steel sheet 0.6mm thick finished with a HPS200 Plasticol coating.
- Internal liner pre-coated steel 0.35mm thick.
- Inner and outer facings, Class 1 surface spread of flame to BS476: Part 7: 1987, and are Class O, as defined by Building Regulations.
- External face of the insulated panel has FAA or SAA classification to BS476: Part 3: 1975.
- Acoustic performance produces a predicted single Weighted Sound Reduction Index (Rw) value of 27dB.
- The roof shall be dual pitched at 7°.
- Welded cleats at each gable enable for the attachment of a fall arrest system.
- Performance life of the cladding system shall be 25 years in normal environments.
- Kingspan XL200 External Coating System (28 colours). Metallic finishes available upon request.

### Doors.

- Double or single leaf steel construction.
- Fully louvered or insulated to suit plant room requirements.
- Powder coated.
- High security locks.

## **Enclosure Specification Continued.**

### **Ventilation.**

- Ventilation in accordance with BS6644:1991.
- IGEUP/10 part 1 edition 2 (over 2MW).
- Ridge Ventilation.
- Louvred access door.
- High and low level louvers.

### **Rainwater.**

- Fitted to each side of the plant room.
- Available as an option to be constructed to match the cladding system.

### **Lifting points.**

- Designed to be lifted from the base.
- Approved lifting pads welded to the base.
- Test certification.

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