INSTALLATION GUIDE

Technical Specification – AAC Panel System

01 Pre-Installation Requirements

- Slab must be level, clean, and free of contaminants
- Verify set-out lines against architectural drawings
- Confirm all materials are on site: AAC panels, adhesive, fixings, brackets, membranes
- Review NCC Class 1 compliance
- Ensure weather conditions are suitable for adhesive curing.

02 Membrane & Flashing Preparation

- Install waterproof membrane to slab edge and wall base
- Apply flashings to all openings, penetrations, and junctions
- Maintain continuous laps and correct overlaps
- Seal all vulnerable junctions before panel installation.

03 First Panel Installation

- Apply E-METRIX AAC adhesive to slab
- Position first panel using levelling packers
- Check plumb, level, and alignment
- Fix using approved screws & brackets per engineering schedule
- Datum panel accuracy is critical – it sets alignment for the entire elevation.

04 Subsequent Panels

- Apply adhesive to vertical joints
- Slide panels tightly together to eliminate gaps
- Fix each panel according to engineering schedule
- Maintain consistent joint width
- Re-check alignment every two to three panels.

05 Completion & Finishing

- Apply base-coat render to all joints
- Install corner beads and trims
- Apply full render system per manufacturer specification
- Seal all junctions with flexible sealant
- Ensure all penetrations are sealed and weatherproof.

06 Services Integration

- Limit chasing to approved depth
- Use dust extraction during cutting
- Apply fire-rated sealant to penetrations
- Avoid over-cutting structural areas
- Complete service installation before final render.

PRECISION. PERFORMANCE. COMPLIANCE.

STORAGE AND HANDLING GUIDE

Material Management – AAC Panel System

01 Delivery Conditions

- Inspect panels on arrival for damage
- Record defects prior to unloading
- Ensure delivery area is level and accessible
- Confirm pack labels match order specification.

02 Storage Requirements

- Store panels on flat, stable ground
- Keep packs dry and covered
- Maintain airflow around stored materials
- Avoid stacking above recommended height
- Protect from impact, moisture, and UV exposure.

03 Handling Requirements

- Use mechanical lifting where possible
- Lift panels on edge, not flat
- Avoid dropping or dragging panels
- Support panels along their full length
- Use clamps or lifters for long lengths.

04 PPE Requirements

- Safety boots
- Gloves
- Eye protection
- Long sleeves
- Hearing protection
- P2 respirator.

05 Silica Dust Management

- Use dust extraction on all cutting tools
- Wet-cut where possible
- Wear P2 respirator during cutting or chasing
- Avoid dry sweeping – use vacuum extraction
- Follow SafeWork Australia silica guidelines.

06 Lifting Technique

- Team lift for panels over 20 kg
- Bend knees, keep back straight
- Lift smoothly – avoid twisting
- Use mechanical aids for long or heavy panels
- Plan lift paths before moving panels.