

INSTALL MANUAL

GUIDELINES

SPECIFICATIONS

DIAGRAMS

MBS ARCHITECTURAL



VERSION 2.0

APOLLO⁺ ALUMINIUM SOFFIT LINER

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Design Without Compromise

The Apollo+ Aluminium Soffit Liner is a premium, non-combustible soffit lining system designed to deliver architectural aesthetics with superior fire performance and long-term durability.

The extruded aluminium boards feature a concealed-fix system with authentic timber-effect or powder-coated finishes.



KEY PERFORMANCE

- Group 1 fire performance (AS 5637.1-2015)
- Certified to 4.0kPa wind pressure (AS/NZS 1170.2)
- Suitable for internal and external horizontal applications
- 6060 TS aluminium construction with lower embodied carbon
- Suitable for coastal environments up to CS
- Super-durable performance coating



Safety Handling

PPE REQUIRED



PROTECTIVE GLOVES



SAFETY GLASSES



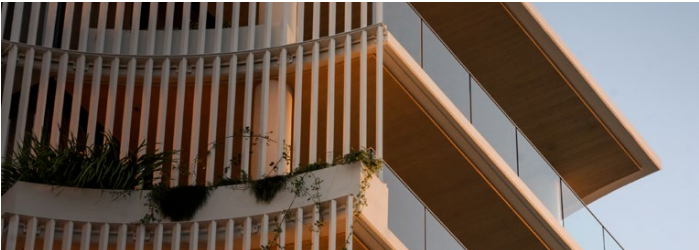
DUST MASK IF CUTTING



HEARING PROTECTION

SAFE HANDLING

- Store boards flat on protective supports to limit sagging
- Always lift & never drag boards
- Protect powder-coated surfaces from abrasion
- Keep dry prior to installation
- Avoid storing in heat or direct sunlight while film is in place
 - ⚠ Can cause transfer or image damage
- Avoid storing in locations with large ranges in temperature fluctuation



TOOLS REQUIRED



- Cordless drill/driver
- Stainless steel self-drilling screws (as per fixing table)
 - TIP:** We recommended using a coated fixing or nylon washer in cases of dissimilar metals
- Laser level/string line
- Tape measure
- Fine tooth aluminium cutting saw
- Metal file
- Silicone sealant

SYSTEM COMPONENTS

- Standard Apollo+ Soffit Liner Board
- End Apollo+ Soffit Liner Board
- Starter Profile
- Joiner
- Perimeter Trims
- Mechanical Fixings (by others)

SUBSTRATE PREPARATION

- ⚠ Substrate must be level, plumb, and free of contaminants.

Approved Substrates:

- Steel top hat battens (0.75mm BMD)
- Timber battens (minimum 35mm width)
- Structural concrete soffit

Span Table & Fixing Requirements

DESIGN WIND PRESSURE TABLE

Wind Pressure (kPa)	Max Span (mm)	Fixing Centres (mm)	Notes
0.00 - 2.00	1200	1200	Low wind zones
2.01 - 3.00	900	900	Medium wind zones
3.01 - 4.00	600	600	High wind zones

FIXING SPECIFICATIONS BY SUBSTRATE

Steel Top Hat Battens (0.75mm BMT):

- 1no. Galvanized 12g hex head Tek screw with sealing washer per fixing point or approved alternative
- Use barrier tape or isolation tape to prevent dissimilar metal corrosion

Timber Battens:

- 1no. M10 x 40mm 316 stainless steel coach screw per fixing point or approved alternative
- Pre-drill if required to prevent splitting

Concrete Substrate:

- 1no. HUS3 H6x45 Hilti anchor per fixing point or approved alternative
- Minimum edge distance: 35mm
- Engineering verification required for specific applications

FIXING METHOD:

- Fix through top flange of profile (concealed method only)
- No exposed fixings permitted
- Allow thermal movement & do not over-tighten screws
- Pull-out capacity must exceed 0.6kN per fixing

INSTALL SUBSTRATE

- Install steel top hats or timber battens at spacing determined above
- Ensure substrate is level, square, and adequately fixed to structure
- Measure and confirm substrate spacing for accuracy

DETERMINE WIND PRESSURE & FIXING

- Confirm project wind pressure rating with your engineer/architect
- Select appropriate fixing spacing from span table above
- Mark fixing points on substrate at required centres

Installation Sequence



STEP 1: INSTALL STARTER PROFILE

- Align the Apollo+ Starter Trim with the perimeter or edge of the top-hat framing
- Fasten using suitable fixings (e.g. Tek screws)
- Fixings as per recommended substrate above
- Ensure profile is square and flush to allow clean alignment of first board



STEP 2: INSTALL BASE TRIM

- Install base trim around remaining perimeter or edges as required



STEP 3: INSTALL FIRST BOARD

- Slide the first soffit board into the starter profile, ensuring the male leg nests securely into the profile
- Ensure the board sits level and tight along the profile face



STEP 4: CONTINUE INSTALLATION

- Secure the first board. Hold the concealed flange hard up against top hat framing, ensuring level
- Fix through the back leg flange of the board into the framing using 12g Tek screws
- Maintain straight alignment throughout install from end to end



STEP 5: REPEAT BOARD INSTALLATION

- Continue interconnecting subsequent boards tongue to groove and fasten through the concealed leg
- Engage subsequent boards tongue-to-groove and fasten through the concealed leg. Ensure consistent spacing and alignment along the run and tight connection with the prior board
- Maintain a uniform gap between board ends and perimeter trims to allow expansion/contraction as required (per project conditions)



STEP 6: INSTALLING THE LAST BOARD

- Cut the last board to required size, allowing 2-3mm short of the base trim connection point
- Treat edges with sealant (sealant by others)
- Ensure tolerance for thermal movement and drainage



STEP 7: INSTALLING COVERING TRIMS

- Once board is cut and sealed, install front covering trim by clipping the male connection in to the base trim
- Gently tap covering trim in as required using a rubber mallet (Tip: Work slowly from one end of trim length to the other)



Wind Load Design Verification

DESIGN STANDARDS:

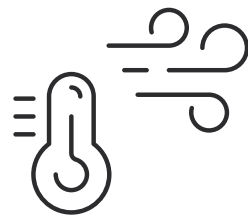
- Wind loading calculated per AS/NZS 1170.2
- Building Importance Level 2 assumed
- V25, VSOO wind speeds considered
- Serviceability deflection limit: L/150

LOAD CAPACITY:

- System tested and certified to 4.0kPa ultimate wind pressure
- Minimum live load capacity: 3kg/m² (AS 2785)
- Pull-out force capacity validated at 0.6kN per fixing

Thermal Movement

- Allow 1-2mm expansion gap at board ends
- Perimeter trims must accommodate thermal movement
- Do not over-constrain the system
- Expansion joints required for runs exceeding 15L/M



Cleaning & Maintenance

Compliance: Clean in accordance with Interpon Care & Maintenance Guide

CLEANING SCHEDULE:

- Minimum 6-monthly cleaning (general environments)
- 3-monthly cleaning in marine or corrosive environments
- Record all maintenance to maintain warranty compliance

CLEANING METHOD:

- Use mild detergent in warm water
- Rinse thoroughly with clean water
- Avoid abrasive pads, solvents, or harsh chemicals
- Access equipment must not damage board surfaces

Warranty Conditions

- Installation must comply with this manual and manufacturer's guidelines
- Maintenance schedule must be adhered to & recorded
- Fixing spacing must comply with span table requirements
- Only approved substrates and fixings to be used

WARRANTY PERIOD:

- 10 years internal aluminium applications
- 10 years external aluminium applications
- Project specific warranties available on application



Apollo+

Reach out to the team for technical support

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Engineering Certification: IF Consulting Engineers
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