

SMARTFIX SPECIFICATION

- **CLADDING GENERALLY**

General

Provide cladding system to building as detailed to meet the “Quality” and “Performance” requirements of this specification as follows:

- Weatherproof outer skin with hot dip, galvanized mild steel framing, (HD/GMS) supporting “Smartfix” cladding panels.

Primary steel support framing designed and setout to suit support “Smartfix”.

Abutting surfaces: Seal concealed faces of walling or facing panels where abutting blockwork or concrete with an approved suitable sealing material applied as recommended by the manufacturer as scheduled.

- **“SMARTFIX” CLADDING**

Location: Provide “Smartfix” Façade System to:

- **GENERALLY**

Conform to the General smartfix[®] Industries requirements materials finish including installation procedures and approved installer installation induction.

Substrates or framing

Before fixing cladding check and, if necessary, adjust the alignment of substrates or framing.

Fixing

Proprietary fixing system to be smartfix[®] concealed/mechanically fixed system. No double sided tapes to be used.



Accessories and trim

Provide proprietary smartfix® concealed fix system accessories and trims necessary to complete the installation.

Cladding Type

Composite Core Cladding System Edge Slotted

External Sheet cladding

General: Provide a proprietary system of double aluminium fully cured “A” resol fibre reinforced phenolic resin sheets positive fix. No double sided tapes shall be used.

Proprietary item composite panels using prefinished 0.5mm minimum aluminium faced, fibre reinforced phenolic resin computer cut and grooved panels to manufacture’s specification. Use site cutting where required to perimeter of penetrations and abutments using tungsten carbide cutters to manufactures recommendation.

Arrangement: set out in even panels with joints as indicated on drawings.

Finish: 0.5mm sheet 6060T5 or 6063T5 alloy Mill finish aluminium to concealed face. External face to be selected with minimum 25 microns coating to conform to AS 1231 - 2000 Australia, or where applicable to International standards ASTM B580 – 79 2000.

Non standard, site specific panels to be machined and computer cut in a controlled environment. Restrict site cutting to a minimum.

Sheet thickness: 5mm

Joints, Corners and edges: as detailed to a standard smartfix® Industries specification concealed fix to manufacturers recommendations.

Support Framing

Support framing shall be galvanized, cold formed steel top hat sections, 75mm wide (minimum) x 38mm deep (minimum) x 1.2mm gauge. Top hat framing to be spaced at minimum 600 centres or to suit specific area conditions.

Optional framing - smartfix® anodized top hat 35 x 30 x 2mm

Horizontal and Vertical joints

Use smartfix® no. 17 and 18 extrusions with purpose made EPDM rubber boot gasket for waterproofing to specially designed aluminium extrusions over 75 x 38 x 1.2mm top hats in accordance with smartfix® Industries recommended installation procedures.

Façade weather performance testing and approvals: To conform to AS 4284 – 1995, Air Filtration and Structural Integrity. Structural pass @ serviceability design pressure + -3kPa and Ultimate design pressure of + - 4.5kPa.

