

NOVAPRODUCTS GLOBAL

SPECIFICATION TEMPLATE FOR:
NOVABOND Aluminium Composite Panel

RESILIENT FINISHES **PART 1 - GENERAL**

1.1 Scope

Supply and Installation of NOVABOND Aluminium Composite Panel with related accessories and equipment to all areas nominated below and/or on plans.

Including but not limited to:

- a) Novabond Fixing System
- b) Sarking – Water proofing
- c) Sealants, Flashings & Fixings

1.2 Related Work

Coordinate and cooperate with the following trades:

- * Light Timber Framing
- * Light Steel Framing
- * Masonry / Brickwork

1.3 Quality Assurance

Provide panel sample in each selected colour to the Architect for approval and signature prior to commencement of manufacture. Return the signed sample panel to the manufacturer to implement the warranty. Sufficient notice is to be given so that inspection may be made of framing complete with sarking and flashings ready for cladding.

1.4 References

Comply with applicable Australia Standards

- * AS 224.1 – Composite Panels
- * AS /N.ZS 2904 – Flashings
- * Comply with requirements of relevant local Statutory Authorities
- * Engineers detailing

1.5 Submissions

Include cleaning and maintenance, warranty, product details and applicable ratings with product sample.

1.6 Delivery, Handling & Storage

All products are to be delivered in the original packaging of supplier bearing the brand name, colour, thickness and any other relevant data.

All materials are to be stored in a dry secure area away from any hazardous goods.

Order in sufficient time prior to scheduled requirement; to avoid delays.

1.7 Warranty

If installation is not by manufacturer, and product warranty is conditional. The installer shall submit the manufacturer's written approval of the installing firm.

Warranty term: Materials 10 years
 Installation 5 years

Installer shall show certificate of approval from manufacturer for installation to be warranted by Novabond.

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PART 2 – MATERIAL

1.1 Materials

NOVABOND aluminium composite panel. Fixing method shall be

- a) Prefabricated cassettes fastened with rivets, bolts, screws.
- b) Adhesive and double sided tape
- c) Curtain wall type facades and shop-front systems.

The cladding shall be fabricated and erected to provide for all expansion and contraction of components. Any temperature change due to climatic conditions shall not cause harmful buckling, opening of joints, undue stress on anchors and fasteners, noise of any kind or imperfections.

1.1.1 Composite Panel

Prefabricated panels – 0.5mm thick aluminium sheet laminated on to both sides of a polyethylene resin core.

Finish: Face side: Fluoropolymer / Harz coating to selected colour. Polyurethane coating is not adequate. Optional finish for reverse side.

1.1.2 Water Control

A drainage system is to be installed into the external façade structure. All water collected by the drainage system is to be discharged at ground level in a controlled method.

1.1.3 **Proprietary item:** NOVABOND aluminium composite panel

1.1.4 **Available Novaproducts GlobalPty Ltd – (08) 9455 2228.**

Sheet Thickness: 4mm

1.1.5 **Colour:** To be selected – Number: _____ Selected from _____ range.

1.1.6 **Location/ Zones:** Refer Architectural Drawing No. _____
Refer to Schedule of finishes pages _____

1.2 Schedule of Quantities

(Refer to drawings for locations and colours of items)

(Refer to bill of quantities of colours and items)

PART 3 – EXECUTION

3.1 Examination

Prior to fixing of cladding, check, and if necessary alter the alignment of substrates and framing. Commencement of installation work on site means total acceptance of conditions.

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3.2 Preparation

Provide all accessories and trims necessary to complete the installation.

1. All cladding panels shall be factory fabricated and assembled to the highest standard of workmanship under experienced factory supervision and control.
2. All panels shall be fabricated into cassettes inclusive of aluminium subframe.
3. All seams of mitred joints of the subframe shall be sealed with an approved sealant.
4. The finished cassette panels shall be delivered to site complete with component markings for easy classification and assembly.

3.3 Installation

NOVABOND aluminium composite panel – refer to technical manual or Architects instructions.

- a) Components which are observed to be substandard in any way, including warped, bowed, dented, grazed and broken members, must not be installed. Members or parts which have been damaged during installation or thereafter before the time of practical completion are to be removed and replaced.
- b) No cutting, trimming, welding or brazing of components which could in any way damage the completion, decrease the strength or result in visual imperfections or failure in performance shall be executed during installation. Components which require alteration shall be returned to the factory. If necessary, replaced with new components.
- c) All components shall be installed level, exact to line with equal joints and reveals.
Maximum deviation for vertical member: 3mm maximum over 5.2m and 5mm maximum over 11.0m.
Maximum deviation for horizontal members: 3mm maximum over 8.5m.
- d) Anchorage of the cladding substructure to the building structure shall be by approved methods in strict accordance with the specification and approved installation drawings. Supporting brackets shall be so designed to provide three-dimensional modification and accurate location of wall components.
- e) All joints between panels shall be set at widths as shown on the drawing with a tolerance of $\pm 2.0\text{mm}$. No two adjacent or perpendicular joints shall have a difference in width of more than 2.5mm. Also, the tolerance between adjacent panels across any joint shall not exceed 1.5mm locally.
- f) The entire installation shall be in strict accordance with the manufacturer's instructions.

3.4 Cleaning & Protection

A maintenance manual, containing technical specification of the cladding system, setting out the manufacturer's recommendations on maintenance, to the principal at Practical completion shall be submitted. Include the names and addresses of the suppliers, manufactures and installers of each component. When installation is complete; eliminate extraneous matter and marks off the façade components in a manner which leaves the completed installation free of any streaking, spotting or non-uniform appearance.

Protection: Protect as necessary and leave the completed work unharmed on completion.

3.5 Completion

Complete contracted work in accordance with contract documents and written variation orders issued by the Architect.

Work will be regarded complete after being examined and approved.

Specifiers Note: Brackets () show options to choose from.