



SPECIFICATION TEMPLATE

ZINTL® Non-combustible Interlocking Cladding System

1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication and installation of the ZINTL® non-combustible interlocking cladding system, complete with all necessary sub-structures, anchors, hardware and fittings to provide a total installation and cladding system from the structure out.

2. MATERIAL AND FINISHES

Cladding Material:

Aluminium cladding material shall be supplied by HVG Facades Pty Ltd (Ph: 1300 881 712) comprising of solid extruded pre-finished aluminium cladding panels which are 6063-T5 marine grade aluminium alloy and temper.

****NO ALTERNATIVE MATERIALS WILL BE ACCEPTED FOR THIS PROJECT****

Colour Selection:

Refer to exterior finishes schedule.

(Select colour code/s from the Finishes tab at the below link)

<https://hvgfacades.com.au/product/zintl/>

Fire Properties:

Manufactured by HVG Facades Pty Ltd; ZINTL® is a DTS Non-Combustible product in accordance with the BCA/NCC when tested to AS1530.1 and AS1530.3.

Wood Grain Finishes:

ITEM	TEST STANDARD	UNIT	RESULT
Non-combustible	AS 1530.1	Exova	Pass
Non-combustible (DTS) – NCC 2019	NCC C1.9(e)(v)	Exova	Pass
Ignitability Index	AS 1530.3	AWTA*	0
Spread of Flame Index	AS 1530.3	AWTA*	0
Heat Evolved Index	AS 1530.3	AWTA*	0
Smoke Developed Index	AS 1530.3	AWTA*	3

Standard Powdercoat Finishes:

ITEM	TEST STANDARD	UNIT	RESULT
Non-combustible	AS 1530.1	Exova	Pass
Non-combustible (DTS) – NCC 2019	NCC C1.9(e)(v)	Exova	Pass
Ignitability Index	AS 1530.3	AWTA*	0
Spread of Flame Index	AS 1530.3	AWTA*	0
Heat Evolved Index	AS 1530.3	AWTA*	0
Smoke Developed Index	AS 1530.3	AWTA*	3

*Always check the AS 1530.3 certificate to ensure the finish was applied to the aluminium. prior to conducting the testing. Note that this does NOT apply to the AS 1530.1 testing.

ZINTL® Non-combustible Interlocking Cladding System – Specification (V1)

W: hvgfacades.com.au

E: info@hvgfacades.com.au

Ph: 1300 881 712

Physical Properties:

ITEM	TEST STANDARD	UNIT	RESULT
Alloy Grade / Temper	Actual	-	6063 T5
Material Density	Actual	Kg/m3	2,700
Magnesium Content	Actual	%	0.7
Silicon Content	Actual	%	0.4
Thermal Expansion	Actual	mm/m/°C	2.40

Applied Finish:

The external panel surface shall be supplied prefinished by the manufacturer with powder-coat finish in the selected range of standard Interpon / Dulux powders.

Fixings:

Fasteners, including concealed screws, nuts, bolts and other items required for connecting aluminium to aluminium, or aluminium to steel, shall be in accordance with AS 3566.2 and of a type to suit its application and exposure conditions.

Class 1/2: Internal applications.

Class 3: External applications, moderate industrial and marine applications.

Class 4: Severe marine applications

All fixing anchors, brackets and similar attachments used in the installation, shall be of aluminium, non-magnetic stainless steel, zinc coated steel, or hot dip zinc galvanised steel.

Dissimilar Materials:

Where two surfaces of dissimilar material come into contact, such surfaces shall be separated with a layer of PVC or Polyethylene tape or powder-coat finish.

Warranty:

ZINTL® shall be covered by a manufacturer's warranty up to 30 years. All work to be carried out in accordance with the manufacturer's recommendations and installation details. The warranty is subject to terms & conditions.

3. INSTALLATION

General Guidelines:

The cladding system shall be installed by an approved cladding subcontractor with a demonstrated experience in the fabrication and installation of pre-finished cladding systems. All work to be carried out in accordance with the ZINTL® manufacturer's recommendations and installation manuals. All component parts shall be installed level, true to line with uniform joints and reveals.

Installation Details:

The panels shall be fabricated and installed in accordance with the most recent version of the ZINTL® Installation Details which are available online at www.hvgfacades.com.au or by emailing info@hvgfacades.com.au or by calling 1300 881 712.

Sarking:

Shall be deemed-to-satisfy, non-combustible vapour permeable sarking tested by a NATA accredited laboratory to AS 1530.1. Install and tape in accordance with AS 4200.2 to all cladding areas.

Rigid Sheathing Board:

Shall be deemed-to-satisfy, non-combustible vapour permeable material which assists in achieving a 60/60/60 FRL when installed as per manufacturer's directions.

Sub-framing System:

The sub-framing system to be attached to the main structure in a manner to ensure all applied loadings to the cladding are transferred back to the main structure. Size and spacing of top-hat members shall be determined according to applied loads and deflection limitations. Top-hat spacings shall be maximum 600mm to adequately support the cladding system.

Standards:

Cold-formed according to AS/NZS:4600 from Zinalume G300 steel which is continuous hot-dipped aluminium/zinc alloy-coated structural steel as per AS:1397.

Cladding Ancillaries:

Shall be ZINTL® ancillaries' colour-matched trims supplied by HVG Facades Pty Ltd and installed as required in accordance with the manufacturer's details.

Installation System Code:

ZINTL® Horizontal Typical Fixing Detail Installation
ZINTL® Vertical Typical Fixing Detail Installation

(PDF construction details available on request)

(Delete options not required)

Disclaimer:

This Specification provided is generic in nature and is supplied in good faith for Specification guidance purposes only. It is understood that no 2 projects are alike, and project specific information and advice should be obtained from necessary engineers, consultants and suppliers on a project-to-project basis.