



Induracore G2

ALUMINIUM LAMINATED PANELS

Technical Manual

Version 3.0
October 2024

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01 - INTRODUCTION

1.1 About this Manual.

This manual has been developed to effectively assist architects, builders, councils and installers to work with Paneltec's intensely tested and proven Induracore G2. Due to the uncontrollable conditions and methods of job scope, as well as the variable skills and judgment of users/installers and the quality of equipment, tools, etc., the suggestions and recommendations contained in this manual are provided without warranty.

The information and recommendations contained herein are believed to be correct at time of publishing, October 2024.

Paneltec reserves the right to revise the contents of this manual.

1.2 Document Tracking

VERSION #	DATE	CHANGES
1.0	December 2019	Initial Issue
2.0	January 2021	Installation Details Updated & Formatting Changes
3.0	October 2024	Installation Details Updated & update to windload table & Warranty added.



Tradestaff Office, Wellington

1.3 About Induracore G2.

Induracore G2 is a 4mm three layer aluminium laminated panel, designed for high performance as a façade material. The uniqueness of this panel comes from it's pressed aluminium, non-combustible, and lightweight core. It is half the weight, 5x more rigid and has 70% greater resistance to oil canning than its solid panel counterparts.

It's the ideal compliant façade product for all types of construction from apartments, office blocks, high-rise buildings, and re-clads. It is prefinished in a low maintenance high UV resistant PVDF paint, backed with a 15 year warranty. It comes in a large range of stocked colours and can be matched to almost any colour with small minimum order quantities. Induracore G2 has undergone extensive testing to show full compliance and is Codemark certified.

1.4 Key Features.



FULL SCALE FIRE TESTED

Induracore G2 is one of the few aluminium panels in NZ that has been tested to BS8414 test over a timber frame and fully passed the BR135 criteria.



CODEMARK CERTIFIED

Induracore G2 has got full CodeMark certification. CMNZ 30118-RevB.



LIGHTWEIGHT

Induracore G2 is very lightweight, with only being 4.6kg per m2 compared to 7.3kg per m2 of standard ACM panel.



INFRASTRUCTURE

Being full scale fire tested and offering simple and lightweight fabrication makes Induracore G2 a suitable product for large infrastructure projects.



PAINT SYSTEM

Induracore G2 only uses the highly recognized PVDF KYNAR 500 or FEVE paints known for their high durability, providing the optimum resistance to weather and industrial pollution.



WEATHERPROOFED

Induracore G2 is weatherproofed to E2 Standards when using Paneltec's AS/NZS 4284 tested system.



CONCEALED FIX SYSTEM

Induracore G2 is the same to fabricate and install as traditional ACP by CNC routing panels into the concealed fix z-angle cassette system.



WARRANTY

Induracore G2 has up to 15 year's warranty when correctly installed and maintained.



FORSYTH BARR

FORSYTH BARR

Forsyth Barr, Dunedin

02 - QUALITY

2.1 Manufacturing Quality.

A dedication to the total fulfillment of our client's and customer's expectations is reflected by a complete quality control system, beginning at the point of specification, and continuing through to delivery of the guaranteed products.

All activities are carried out in a manner which:

- Uses the framework of ISO9001 Quality Standard to verify the quality of our systems
- Ensures that our products and services are of the highest standards
- Creates continuous improvements to our product through the application of the best quality practices.
- Paneltec New Zealand has a full ISO 10005 Quality Management plan in place.
- Refer to our website for full quality control process

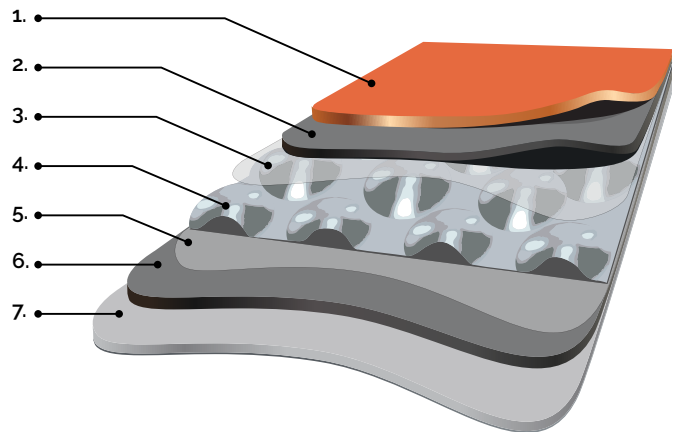
2.2 Acceptance Variation.

WIDTH	±2.0 mm
LENGTH	±4.0 mm
THICKNESS	± 2%
BOW MAXIMUM	Maximum 0.5% of the length an/or width
SQUARENESS MAXIMUM	Maximum 5.0mm
SURFACE DEFECTS	The surface shall not have any irregularities such as dents, scratches and other imperfections in accordance with our quality assurance standards.

03 - PANEL SPECIFICATIONS

3.1 Typical Composition.

1. PVDF Coloured Coating
2. 0.7mm Aluminium Skin
3. < 0.1mm Adhesive
4. 2.8mm Profiled Aluminium Core
5. < 0.1mm Adhesive
6. 0.5mm Aluminium Skin
7. Polyester Anti-corrosion Coating



Aluminium Skins.

Surface material both sides: Aluminium sheets of a minimum 3003 H14 series grade.

Face skin : 0.7mm

Rear skin : 0.5mm

Core Material.

The core is a profiled 0.3mm aluminium, expanded to 2.8mm.



Lakeview Apartments

3.2 Dimensions and Weight.

Width	Length	Thickness	Weight [Kg/M ²]
	2500		
1500	3200	4mm	4.6
	4000		
Custom sizes are available when a minimum order quantity is met. Please speak to the Paneltec team.			

3.3 Technical Data.

Classifiaction	Test Standard	Unit	Result
Temperature Limit	Temperature Limit	°C	-50 ± 80
Core shear properties	ASTM C393/393-11	MPa	Core shear ultimate strength: 0.91 Facing Stress: 130.7
Tensile properties of facing aluminium panel	ASTM E8/E8M15a	MPa	Tensile Strength: 172.9 MPa Elongation: 8.4%
Tensile Strength	ASTM C297/C297M15	MPa	0.81
Facing peel torque	ASTM D1781-98 (2012)	mm N/mm ²	270
Thermal Resistance		m ² K/W	0.005
Acoustic Resistance	ISO 717-1	dB	Rw (C; Ctr) = 22 (-1; -2)

04 - FINISHES

4.1 Coating Types

Stove Lacquering.

Induracore G2 only uses the highly recognised PVDF KYNAR 500, FEVE paints known for their excellent durability. These premium paints provide an optimum resistance to weather and industrial pollution. More than 50 years of South Florida exposure testing is continuing to confirm the superior chemical and physical properties of fluoropolymer coatings.

Induracore G2 has unlimited colour options. We stock 20 of the most popular colours in New Zealand for short lead times. All other colours in our colour chart plus any other finish or colour you can imagine can be matched, however these do need to meet minimum order requirements from our factories. Contact Paneltec to find out more.

Anodising.

Induracore G2 can come in a range of Anodised finishes, offering both standard and customised colours and textures. Minimum order quantities need to be met for this type of coating, contact Paneltec to find out more.

Natural Finishes.

Paneltec offers the following natural finished panels:

- Induracore G2/ZN - Natural zinc composite panel.
 - Natural Aluminium Induracore G2 - uncoloured aluminium finishes including brushed and mirror.
- Minimum order quantities need to be met for these types of coatings, contact Paneltec to find out more.

Other Coating Finishes.

The Induracore G2 range also offers the following finishes:

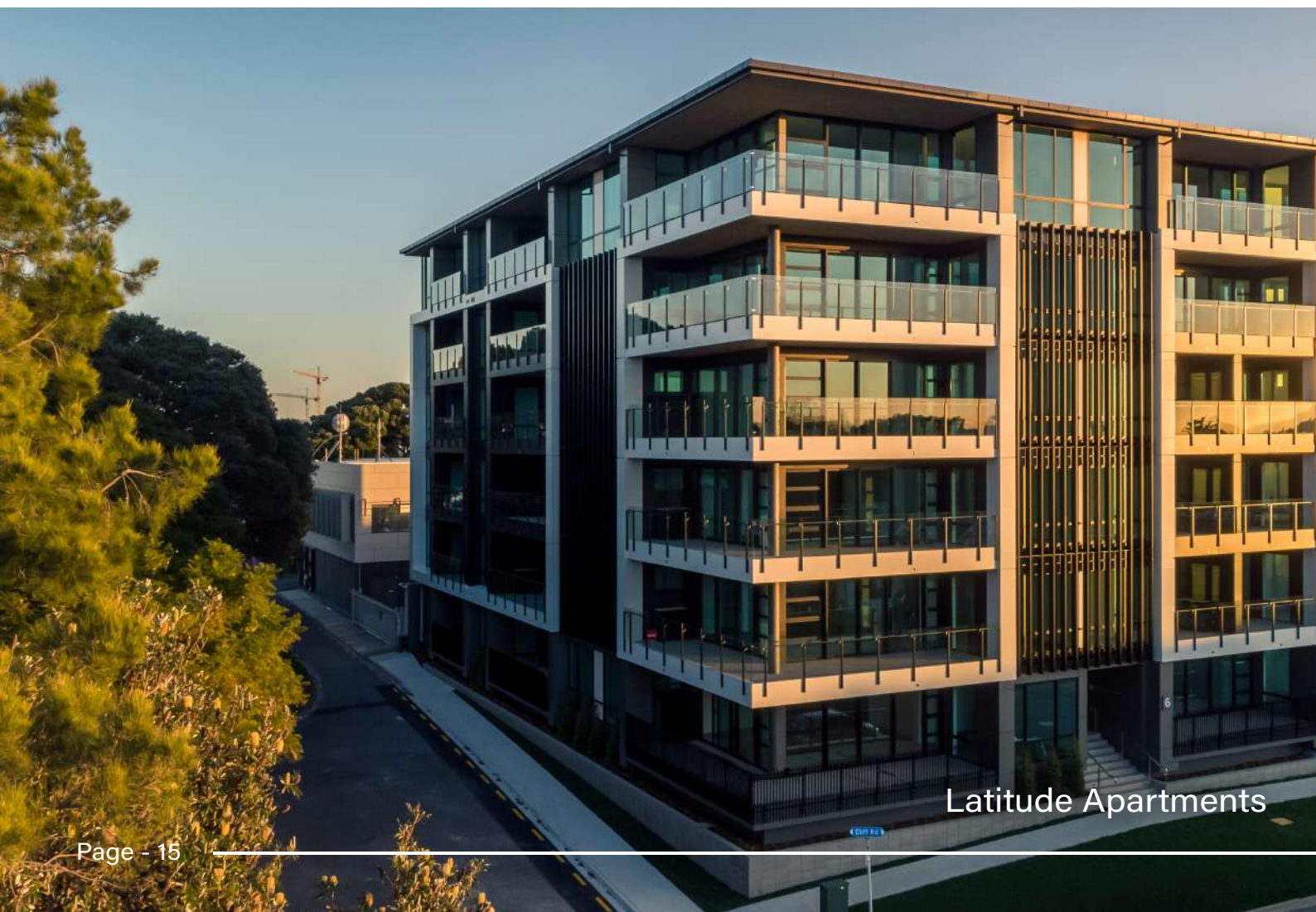
- REPEL - a self-cleaning surface coating
- ANTI-BACTERIAL Coating - to meet food handling and storage requirements.

Minimum order quantities need to be met for these types of coatings, contact Paneltec to find out more.

4.2 PVDF Specifications

Classification	Test Standard	Result	Remarks
Substrate	ASTM D1005	Pass	Aluminium
Flexibility	ASTM D4145 ECCA T7 NCCA 11-19	Pass	1~2T - No Cracking
DFT	ASTM D1400 ASTM D1005 NCCA 11-13, 14, 15	Pass	
Colour Difference	ASTM 2244	$\Delta E < 5$	4000hrs
Gloss Meter	ASTM D523	Pass	
Gloss Retention	ASTM 2244	85%	4000hrs
Chalking Resistance	ASTM 2244	<8 units	4000hrs
Pencil Hardness	ASTM D3363	2H	
Dry Film Adhesion Wet Adhesion Hot Adhesion		Pass Pass Pass	38°C, 24hrs 100°C, 24hrs
Reverse Impact Resistance	ASTM D2794	No Cracking	12.7mm x 0.5kg x 500mm
Bending/Gardner Impact	ASTM D3281	Pass	Normal
Solvent Resistance	ASTM 2794	Pass	MEK double rubs
Acid Resistance	ASTM 1308	Pass	7 days soaking in 10% H ₂ SO ₄
Alkali Resistance	ASTM 1308	Pass	7 days soaking in 10% NaOH
Detergent Resistance	ASTM D2248	Pass	72 hrs soaking in 3% detergent
Salt Resistance	ASTM B117	Includes the following:	
Gloss Retention	ASTM D523	0.8% change	5000hrs
Colour Retention	ASTM 2244	E<0.68	5000hrs
Chalk Resistance	ASTM 4214	Rating: 10	Top rating - no chalk (5000hrs)
Humidity Resistance	ASTM D714	Pass	2000hrs
	ASTM B117	Includes the following:	
Gloss Retention	ASTM D523	No visible change	5000hrs
Colour Retention	ASTM 2244	E<0.52	5000hrs

Chalk Resistance	ASTM 4214	Rating: 10	Top rating - no chalk (5000hrs)
Weathering Resistance	ASTM G53	Includes the following:	
Gloss Retention	ASTM D523	6.2% Change	5000hrs
Colour Retention	ASTM 2244	E<0.27	5000hrs
Chalk Resistance	ASTM 4214	Rating: 10	Top rating - no chalk (5000hrs)
Chalk Resistance	ASTM 4214	Pass	Mortar, 24hrs
		Pass	10% Hcl, 15 min
	ASTM G53	Pass	70% HNO ₃ Vapours, 30 min
		Includes the following:	
Gloss Retention	ASTM D523	No visible change	5000hrs
Colour Retention	ASTM 2244	E<0.52	5000hrs
Chalk Resistance	ASTM 4214	Rating: 10	Top rating - no chalk (5000hrs)



Latitude Apartments

05 - PERFORMANCE

5.1 Fire Resistance.

In today's architecture, not only is it the appearance that counts but equally important is the technical details, such as sustainability, moisture control, and fire protection. The specification and use of intense full scale fire test on facade panels has now become an industry norm amongst architects and industry professionals.

To provide peace of mind and demonstrate full scale performance, Induracore G2 has been large scale fire tested to the requirements of BS8414 with a full pass to BR135 standard and did not propagate flame. Induracore G2 has been tested to AS5113 and safely met the various temperature criteria for prevention of flame spread. As expected for many varied and popular aluminium facade materials, the debris criteria for AS5113 was not met

TEST STANDARD	RESULT
BS8414, BR135 (Timber Frame)	Pass
AS5113	Flame spread and temperatures below AS5113 requirements, however as expected for aluminium panels, the debris criteria was not met.
EN13501 - 1:2018	A2 - s1, d0

BS8414 Wall Build Up	
Internal Lining	10mm GIB Standard Plaster Board
Frame	Timber
Insulation	Pink Batts R2.2 Glass Wool Insulation
Rigid Air Barrier	13mm GIB Weatherline
Weather Membrane	Proclima Solitex Extasana Weather Membrane
Cavity Barrier	Ryan Fire Intuspan
Tophat	1.5mm Aluminium
Screws/Fixings	10g x 16mm long wafer head SDS SS screws
Cladding	Induracore G2 Aluminium Laminated Panel (ALP)
Z-angle Brackets	1st and 2nd fix aluminium Z-angles
Sealant/Caulking	Maxilam Sabre-seal / Backing Rod 15mm Closed Cell

5.2 Average Expansion.

The expansion and contraction of Induracore G2 is controlled by the aluminium cover sheets.

MATERIAL	EXPANSION COEFFICIENT ($\times 10^{-6}/^{\circ}\text{C}$)	ELONGATION PER 1000mm $T = 50^{\circ}\text{C}$
Induracore G2	23.8	1.2
Aluminium	23.8	1.2
Zinc	26.7	1.3
Steel	12.2	0.6
Concrete	12	0.6

5.3 Compliance.

When designed and installed in strict accordance with this technical manual and our installation guide, Induracore G2 will meet or exceed the requirement of the following clauses of the New Zealand Building Code (NZBC):

Clause **B1 STRUCTURE:**

Performance B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (a), (f), (h), (j) & (q)

Clause **B2 DURABILITY:**

Performance B2.3.1(b) 15 years and B2.3.2(a)

Clause **C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE:**

Performance C3.4 (a), C3.5 & C3.7 (b) & (c)

Clause **E2 EXTERNAL MOISTURE:**

Performance E2.3.2, E2.3.5, E2.3.6 and E2.3.7

Clause **F2 HAZARDOUS BUILDING MATERIALS:**

Performance F2.3.1

Refer to our website for full compliance or contact Paneltec for all completed test reports.

5.4 Windloading.

Span and fixing table when installed as per the Induracore G2 Installation manual.

- Refer to below tables for the Induracore G2 showing engineered spanning and windloading for design and construction notes. Contact Paneltec to get the full engineering judgment document.
- Where sufficient stiffeners are used, the dimensions below can be read as panel section sizes between stiffeners.
- Larger panel size is possible with suitable engineering.

Stiffener Span Tables

Table 1 - Panel Stiffener c/c Spacing (mm)											
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Ultimate Limit State (ULS) Wind Load (kPa or kN/m2)									
		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
4000	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4000	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4000	600	NR	NR	NR	NR	NR	NR	NR	600	550	550
4000	800	NR	NR	NR	NR	750	700	650	600	550	550
4000	1000	NR	NR	900	850	750	700	650	600	550	550
4000	1200	NR	1000	900	800	750	700	650	600	550	500
4000	1400	1200	1000	850	800	700	600	500	450	400	350
4000	1600	1200	950	800	700	550	450	400	350	300	250
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Serviceability Limit State (SLS) Wind Load (kPa or kN/m2)									
		0.38	0.75	1.13	1.50	1.88	2.25	2.63	3.00	3.38	3.75
4000	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4000	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4000	600	NR	NR	NR	NR	NR	NR	NR	600	550	550
4000	800	NR	NR	NR	NR	750	700	650	600	550	550
4000	1000	NR	NR	900	850	750	700	650	600	550	550
4000	1200	NR	1000	900	800	750	700	650	600	550	500
4000	1400	1200	1000	850	800	700	600	500	450	400	350
4000	1600	1200	950	800	700	550	450	400	350	300	250
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Ultimate Limit State (ULS) Wind Load (kPa or kN/m2)									
		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
1600	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1600	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1600	600	NR	NR	NR	NR	NR	NR	NR	NR	600	550
1600	800	NR	NR	NR	NR	NR	750	700	650	600	550
1600	1000	NR	NR	800	800	750	700	650	650	600	550
1600	1200	NR	800	800	750	700	650	600	600	550	500
1600	1400	NR	800	800	700	650	600	500	450	400	350
1600	1600	NR	800	700	600	550	450	400	350	300	250
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Serviceability Limit State (SLS) Wind Load (kPa or kN/m2)									
		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
1600	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1600	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1600	600	NR	NR	NR	NR	NR	NR	NR	NR	600	550
1600	800	NR	NR	NR	NR	NR	750	700	650	600	550
1600	1000	NR	NR	800	800	750	700	650	650	600	550
1600	1200	NR	800	800	750	700	650	600	600	550	500
1600	1400	NR	800	800	700	650	600	500	450	400	350
1600	1600	NR	800	700	600	550	450	400	350	300	250

*NR = Not Required

Table 1 - Panel Stiffener c/c Spacing (mm)											
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Ultimate Limit State (ULS) Wind Load (kPa or kN/m ²)									
		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
800	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	800	NR	NR	NR	NR	NR	NR	NR	NR	400	400
800	1000	NR	NR	500	500	500	500	500	500	500	500
800	1200	NR	600	600	600	600	600	600	600	600	600
800	1400	700	700	700	700	700	700	700	650	600	550
800	1600	800	800	800	800	750	750	700	650	600	550
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Serviceability Limit State (SLS) Wind Load (kPa or kN/m ²)									
		0.38	0.75	1.13	1.50	1.88	2.25	2.63	3.00	3.38	3.75
800	200	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	400	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
800	800	NR	NR	NR	NR	NR	NR	NR	NR	400	400
800	1000	NR	NR	500	500	500	500	500	500	500	500
800	1200	NR	600	600	600	600	600	600	600	600	600
800	1400	700	700	700	700	700	700	700	650	600	550
800	1600	800	800	800	800	750	750	700	650	600	550

Table 2 - Panel to Indurafix 1st/2nd Z Fix Fastener c/c Spacing (mm)											
Panel Breadth (mm)	Panel Width (mm)	Maximum Allowable Ultimate & Serviceability Limit State (USLS) Wind Load (kPa or kN/m ²)									
		0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
4000	200	500	500	500	500	500	500	500	500	500	500
4000	400	500	500	500	500	500	500	500	500	500	500
4000	600	500	500	500	500	500	500	500	500	500	500
4000	800	500	500	500	500	500	500	500	500	500	450
4000	1000	500	500	500	500	500	500	500	450	400	350
4000	1200	500	500	500	500	500	500	450	400	350	300
4000	1400	500	500	500	500	500	450	400	350	300	250
4000	1600	500	500	500	500	450	400	350	300	250	200

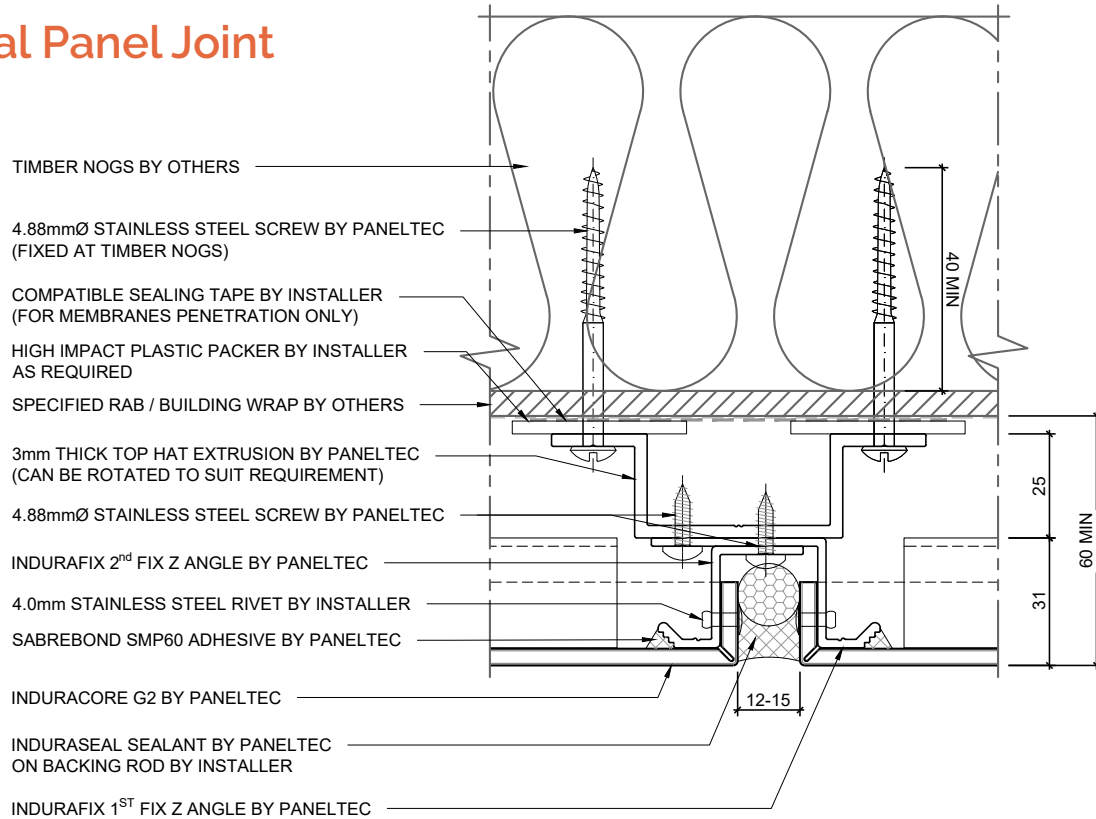
*NR = Not Required

06 - INSTALLATION

6.1 Fixing System.

Below is our standard vertical panel joint detail, refer to our installation manual for all other details.

Vertical Panel Joint



6.2 Installation Guidelines.

- All sheets should be installed in the same direction as marked on the protective film to prevent possible finish variation.
- As minor colour variation can occur between production lots, it is recommended to place total requirement for a project in one order to ensure colour consistency.
- Where aluminium materials come in contact with dissimilar metals, a proper insulator or caulking tape should be applied to insulate between dissimilar materials in order to avoid corrosive and electrolytic action.
- The panel returns should not be caulked before protective film is removed.
- Stainless steel fixing is recommended for durability and longevity.
- Panel should allow minimum 1000mm²/LM of ventilation.

NOTE: Please refer to the Paneltec Induracore G2 Installation Manual for full installation details. Paneltec design team is available for design support and completion of shop drawings, contact Paneltec for more information.

6.3 Installation Sequence.

It is recommended that installation sequence is as follows:

1. Installation of the RAB (Rigid Air Barrier) as per manufacturers requirements.
2. Installation of the water membrane as per manufacturers requirements.
3. Installation of tophats, levelled and fixed as per wind loading requirements.
4. Induracore G2 panels fabricated and prepared for installation.
5. Installation of fabricated Induracore G2 panels, fixing through Z angles to tophats as per wind loading requirements.
6. Caulking applied to panel joints as per manufacturers requirements.
7. Removal of protective film, within 45 days of installation.

07 - FABRICATION METHODS

7.1 General Methods



Roll Bending.

Induracore G2 panel can be bent with a roll-bending machine. Use polished rollers free of imperfections only. Minimum radius of 2000mm.



Cutting.

Induracore G2 can be cut with identical tooling to that used for Indurabond and similar ACP's. For the CNC an upspiral cutter is recommended to assist with swarf removal. There is no coolant required on the cutter or groover.

	Tooling	Feeds/Speeds	Comments
CNC ROUTER	6.35mm Upspiral cutter. 1 or 2 flute.	RPM:18000 Speed: 6-10m/min	Clean panel edges if not all swarf is removed.
FESTOOL	Use Festool special saw blade for aluminium.	10-15m/min	Orientate panel so blade is cutting into the face to prevent burring.



Screwing.

Induracore G2 is to be fastened by 410 self-drilling screw with dacromet coating. Refer to our engineering judgment for full specifications. Take care to avoid overtightening the screws and denting the face skin of the panel.



Riveting.

When riveting Induracore G2, use a stainless steel grade G304 rivet. Some localised pull-in of the face skin may occur. For outdoor use allow for thermal expansion.



Drilling.

Induracore G2 panel can be drilled with centre point twist drills normally used for aluminium or steel. Use High-Speed Steel (HSS) drill bits.

7.2 Grooving Induracore G2

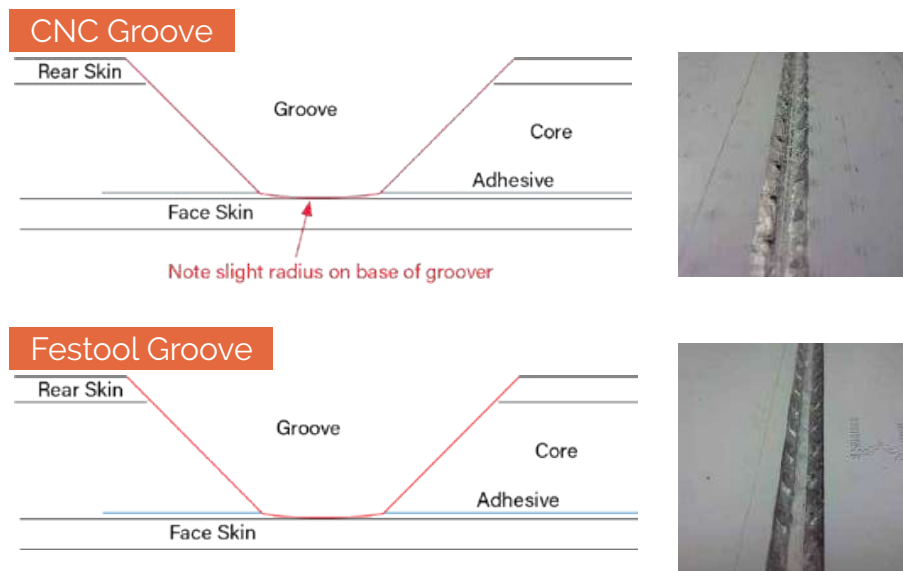
GROOVING - Grooving Induracore G2 is a simple and easy process - very similar to grooving traditional ACP such as Indurabond. The special profiled core of Induracore G2 is slightly more exacting on the groove depth but does not present any issues.

The 0.7mm face skin used with Vitracore G2 is what enables the groove depth to penetrate to the rear of the face skin while still providing the required corner strength and gentle radius on the fold.

For a CNC Router, the perfect depth is just brushing the rear of the aluminium face skin. The tooling is the same as that for ACP - a 90 degree V-Groover with a 3mm flat. As depicted in the diagram below, for best results the flat should be adjusted to a slight curve. This is simply done with a linisher or bench grinder. Of course, this tool still works just as well for ACP.

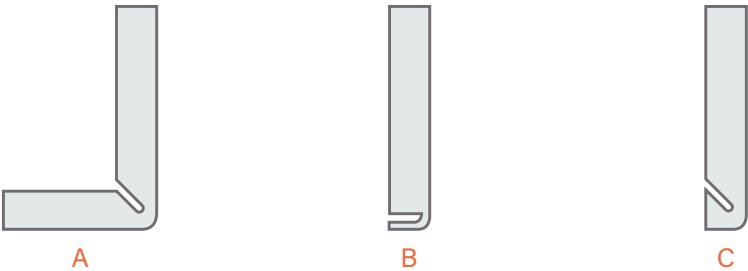
When using a Festool or Wallsaw, the grooving blade should remove all the aluminium of the core and be touching the adhesive layer on the rear of the face skin. It is important that the tooling be kept sharp as blunt tooling increases heat and pressure on the panel, which in turn can reduce groove quality.

The 0.7mm face skin used with Induracore G2 is what enables the groove depth to penetrate to the rear of the face skin, while still providing the required corner strength and gentle radius on the fold. If there are concerns the groove has gone too deep and cut into the face skin of the panel, a possible solution is to glue the 'L' angle down the rear of the fold; or in a cassette panel glue the 'Z' angle to the rear of the panel



	TOOLING	FEEDS/SPEEDS	COMMENTS
CNC ROUTER	Typical 900 ACP V-groover with 3mm flat. Available from most tooling	RPM: 18000 Feed: 8-12m/min	Keep sharp. Recommended to curve the flat groover slightly.
FESTOOL	Standard Festool 900 grooving blade. Use Dibond 4 depth gauge roller.	Speed: 10-15m/min	Groove on a flat even surface to ensure depth accuracy.

7.3 Edge close-out & Treatment details.



08 - WARRANTY

8.1 Overview

What is covered in our warranty: We warrant that Induracore G2, as described in this manual as the product manufactured, sold and delivered by us shall be free from any material defects, conform to our applicable specifications, and will perform in accordance with our product documentation under normal conditions for a period of 15 years.

What we will do to fix the product: In the event of a breach of this warranty, we shall, at our sole option and expense, promptly repair or replace the defective products or refund the purchase price to the extent any individual products or panels require replacement. Such remedy will be the sole and exclusive remedy for any breach of warranty.

Warranty exclusions: Our warranty does not cover:

1. Damage caused by accident, abuse, misuse, fire, earthquake, volcanic activity or other external cause.
2. Damage caused by installation or modification of the products outside of our published specifications.
3. Defects caused by normal wear and tear or otherwise due to the normal aging of the product.
4. A failure to follow the required washing requirements.

Washing requirements: The property's environmental category is a classification of the harshness or severity of the environment it is in. We categorise this, by describing the surrounding environment as:

5. Moderate
6. Severe

A number of factors can contribute to the environmental category, but the most significant consideration is how close the property is to the coast.

[View our warranty document for full details on classification of moderate and severe conditions.](#)

For anything within 500 metres of a salt water body, please contact us for confirmation of your warranty. This environment may be extended inland by prevailing winds & local conditions.

8.2 Cleaning and Maintenance

The following washing regime is an essential requirement in ensuring a valid warranty:

MODERATE	SEVERE
Maintenance: Rain washing plus manual washing every 6 Months	Rain washing plus manual washing every 3 months

When cleaning surfaces, proceed as follows:

1. Carefully remove any loose deposits with a wet sponge.
2. Use a soft, non-abrasive brush and a mild soapy solution to remove dust, salt and other deposits. It is important to first test soap on a small surface to ensure no damage will be caused by the soap.
3. Rinse off with clean water or use a power washer with no more than 3000 PSI and used no closer than 25-30cm.

Other recommended cleaning agents for manual washing are:

- Mineral spirits
- Organic cleaners
- PH-Neutral Solvents

Claim Procedure: We must be notified in writing within 20 days of the discovery of any claimed defects, specifying the nature of the defects. You will allow us and/or our agents unfettered access to inspect the alleged defective products at all reasonable times as we may require.

Refer to our warranty document for full terms and conditions.



Union Square Building E NZ

9.1 Protective Film.

- Once the protective film is removed the panel is susceptible to damage if not correctly managed.
- Remove protective film within 45 days of installation to avoid glue residuals on panel surface.
- Do not apply PVC tapes, polyurethane sealant, or silicone sealant onto Induracore G2 protective film. The plasticiser contained in these materials can penetrate the protective film and cause a gloss change in the coating over time.
- Do not apply spray paint or permanent marker to the film as the colour may penetrate the film and affect the panel.

9.2 Handling & Storage.

- Considerable care should be taken in the handling of Induracore G2.
- Induracore G2 panels are sensitive to impact, particularly shocks from small, hard objects, which can dent the aluminium cover sheet.
- A minimum of two people should be used when moving large sheets to avoid scratching.
- To prevent surface damage when stacking Induracore G2, there should be no swarf between the panels.
- Induracore G2 should be stored in a cool and dry area where temperature is relatively stable.
- Pallets of Induracore G2 should be stored horizontally with adequate support to prevent sagging.
- Stacked pallets should be identically sized and not more than four (4) pallets high.

9.3 Sustainability.

Induracore G2 has been designed with an expected performance life of over 50 years.

All Paneltec products have been developed with the health of environment and community in mind. As part of our commitment to using recyclable or reusable materials wherever possible; all Induracore G2 is 100% recyclable.

Induracore G2 has been extensively tested and reviewed, and has achieved Environmental Product Declaration (EPD) certification.



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Induracore G2

ALUMINIUM LAMINATED PANELS