



**vitracore G2<sup>®</sup>**

BONDED ALUMINIUM PANEL / MANUFACTURED BY FAIRVIEW

## TECHNICAL INFORMATION

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# CONTENTS

<b>1. INTRODUCTION</b>	
1.1 About Vitracore G2	4
1.2 Key features	5
<b>2. PANEL SPECIFICATION</b>	
2.1 Typical Composition	6
2.2 Panel Sizes	7
2.3 Material Data	7
<b>3. FINISH</b>	
3.1 Coating Technology	8
3.2 Coating Specifications	8
<b>4. PERFORMANCE</b>	
4.1 Fire	9
4.2 Thermal	10
4.3 Insulating Properties	10
4.4 Average Expansion	10
<b>5. STRUCTURAL</b>	
5.1 Windloading	10
5.2 Without Stiffner	11
5.3 With Stiffner	12
<b>6. DURABILITY</b>	
6.1 Evaluation	14
6.2 Structural	14
6.3 Material Properties	15
<b>7. INSTALLATION CONSIDERATIONS</b>	
7.1 Considerations	15
7.2 Protective Film	15
7.3 Accessories	15
7.4 Installation Sequence	15
<b>8. INSTALLATION DETAILS</b>	16
<b>9. FABRICATION DETAIL</b>	
9.1 Fabrication Considerations	23
9.2 Machining	24
9.3 CNC Groove	24
9.4 Festool Typical Considerations	25
9.5 Festool Groove	25
<b>10. WARRANTY DETAIL</b>	
10.1 Warranty Considerations	26
10.2 Keeping Your Warranty Fresh	26
<b>11. MISCELLANEOUS</b>	
11.1 Manufacturing Quality	28
11.2 Handling and Storage	29
11.3 Sustainability	29
10.4 Report Register	29

# DOCUMENT TRACKING

VERSION #	DATE	CHANGES
1.0	08/03/20	Initial Issue
1.1	04/09/20	Installation Details Updated & Formatting Changes
1.2	02/12/20	Installation Details Updated & other Minor Changes
1.3	12/08/21	Text Correction & Install considerations updated





# **vitracore G2®**

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## **1. INTRODUCTION**

### **1.1 ABOUT VITRACORE G2**

Vitracore G2 is the ideal façade product for all types of construction, from residential developments to large scale government infrastructure projects. Vitracore G2 panels can be installed like traditional Aluminium Composite Panels (ACP), yet are the safe option as they do not contain the combustible polyethylene elements of ACPs.

The lightweight nature of the panels, aid in installation procedure and efficacy, reducing overall construction cost. Providing an almost limitless range of colours and finishes, including the option of customisable graphic panels, Vitracore G2 is the decisive solution to high demand and industry requirements.

## 1.2 KEY FEATURES

The outstanding performance of Vitracore G2 is made possible by a range of significant components that make this product ideal for application in Type A, B, and C buildings where non-combustible materials are required.

Vitracore G2 was the first bonded aluminium panel to be awarded the status 'deemed non-combustible' under the Building Code of Australia (BCA) under Clause C1.9e and is fully tested as required to AS1530.1 and AS1530.3.

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### PRODUCT DNA

Bonded aluminium

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### FINISH

The highly recognised Kynar 500® PVDF Paint System known for their high durability, the optimum resistance to weather and industrial pollution.

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### FIXING SYSTEM

A cassette style concealed fixing system which is the same to fabricate and install as traditional ACPs.

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### APPLICATION

Type A, B and C constructions where non-combustible materials are required such as mixed-use developments, residential construction, and large-scale government infrastructure projects like hospitals.

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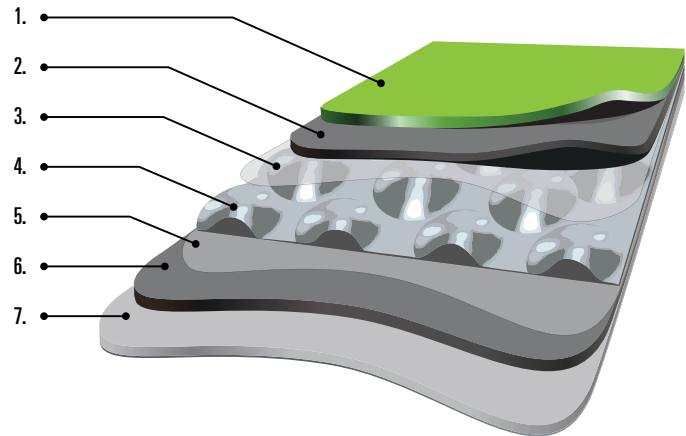
### WARRANTY

15-year warranty, subject to standard terms and conditions.

## 2. PANEL SPECIFICATION

### 2.1 TYPICAL COMPOSITION

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



#### DIMENSIONS

Thickness: 4mm  
Weight: 4.6kg/m<sup>2</sup>

#### ALUMINIUM SKINS

Surface material both sides:  
Aluminium sheets of a minimum  
3000 series.  
- Face skin: 0.7mm  
- Rear skin: 0.5mm

#### CORE MATERIAL

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

\*Vitracore G2 is not an ACP Panel and has no polyethylene content.

## 2.2 PANEL SIZES

WIDTH	LENGTH
1250	3200
	4000
1500	3200
	4000

CUSTOM SIZES ARE AVAILABLE, PLEASE SPEAK TO THE FAIRVIEW TEAM

## 2.3 MATERIAL DATA

CLASSIFICATION	TEST STANDARD	UNIT	RESULT
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 <sup>2</sup>	270
Thermal Resistance	ASTM C318-10	m <sup>2</sup> K/W	0.005
Acoustic Resistance	ISO 717-1	dB	R <sub>w</sub> (C, C <sub>tr</sub> ) = 22 (-1,-2)

## 3. FINISH

### 3.1 COATING TECHNOLOGY

Vitracore G2 uses only the highly recognised PVDF Kynar 500® or FEVE paints known for their excellent durability. These premium paints provide the ultimate 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.

Vitracore G2 has an unlimited colour range as we can match almost any finish and colour required.

Vitracore G2 panels also come in a range of anodised finishes, offering both standard and customised colours and textures. For a truly individual façade, it can also be used with our custom graphic cladding solution, VitraART, which comes with a 10 year exterior warranty, subject to conditions.

The use of VitraART on Vitracore G2 panels allows designers to incorporate custom graphics, from a brick or stone wall to an individualised large-scale full panel print.





## 3.2 COATING 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	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		
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% H2SO4
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
CLASSIFICATION	TEST STANDARD	RESULT	REMARKS
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)
CHEMICAL RESISTANCE	ASTM C207	Pass	Mortar, 24hrs
	ASTM D1308	Pass	10% HCl, 15 min
		Pass	70% HNO3 Vapours, 30 min
		Includes the following:	
Gloss Retention	ASTM D523	6.2% Change	16hrs
Colour Retention	ASTM 2244	No Change	16hrs
Chalk Resistance	ASTM 4214	Rating: 10	Top rating - no chalk (5000hrs)

## 4. PERFORMANCE

### 4.1 FIRE

In today's architecture, it is the technical details, as well as the appearance, that count such as sustainability, moisture control, and fire protection. The specification and use of deemed non-combustible façade panels has now become an industry norm amongst architects and industry professionals.

Vitracore G2 was the first bonded aluminium panel to be awarded the status 'deemed non-combustible' under the Building Code of Australia (BCA) under Clause C1.9(e)vii and is fully tested as required to AS 1530.1 and AS 1530.3.

Vitracore G2 is the proven choice where deemed non-combustible cladding must be specified for use. such as hospitals, schools, and high-rise buildings.

To provide further peace of mind and demonstrate full scale performance, Vitracore G2 has also been large scale tested to the requirements of AS5113 and BS8414. and did not propagate flame.

TEST STANDARD	RESULT		
AS1530.1	LAMINATE LAYERS NON-COMBUSTIBLE		
AS1530.3	PASS	Ignitability Index	0
	PASS	Heat Evolved	0
	PASS	Spread of Flame	0
	PASS	Smoke Developed	1
Compliance with C1.9(e)vii	DEEMED NON-COMBUSTIBLE		
BR135 & BS8414	PASS		
AS5113	Flame spread and temperatures well below AS5113 requirements, however as expected for aluminium panels, the debris criteria was not met.		

### 4.2 THERMAL

### 4.3 INSULATING PROPERTIES

## 4.4 AVERAGE EXPANSION

MATERIAL	EXPANSION COEFFICIENT (X10 <sup>-6</sup> /°C)	ELONGATION PER 1000MM T = 50°C
Vitracore G2	23.8	1.2
Aluminium	23.8	1.2
Zinc	26.7	1.3
Steel	12.2	0.6
Concrete	12	0.6

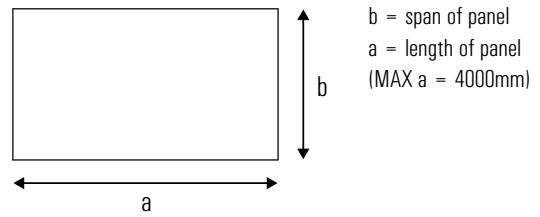
# 5. STRUCTURAL

## 5.1 WINDLOADING

Span and fixing table when installed as per the Vitracore G2 Cassette Fix Installation.

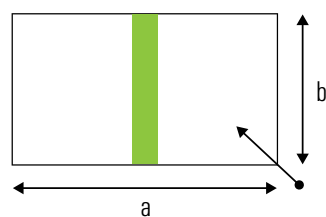
- Refer to the complete Vitracore G2 Spanning and Wind loading document for design and construction notes.
- Larger panel size is easily possible with suitable engineering

## 5.2 WITHOUT STIFFNER



Panel Span			Limiting Wind Pressure (kPa)					Maximum spacing of 5mmØ rivets along folded edge perimeter of panel (mm)
Panel Width b (mm)	Panel Length a (mm)	Ratio a/b	Correction factors		Ultimate Strength		Serviceability	
			ks	kd	Positive wind pressure	Negative wind pressure		
400	400	1.0	0.377	0.281	9.000	-9.000	± 7.768	300
	600	1.5	0.628	0.566	9.000	-9.000	± 3.851	300
	800	2.0	0.786	0.740	9.000	-9.000	± 2.946	300
	1000	2.5	0.881	0.841	9.000	-8.528	± 2.590	300
	1200	3.0	0.942	0.911	9.000	-7.979	± 2.393	300
600	600	1.0	0.377	0.281	9.000	-8.873	± 2.302	300
	900	1.5	0.628	0.566	6.485	-5.321	± 1.141	300
	1200	2.0	0.786	0.740	5.177	-4.248	± 0.873	300
	1500	2.5	0.881	0.841	4.619	-3.790	± 0.767	300
	1800	3.0	0.942	0.911	4.322	-3.546	± 0.709	300
900	900	1.0	0.377	0.281	4.806	-3.944	± 0.682	300
	1350	1.5	0.628	0.566	2.882	-2.365	± 0.338	300
	1800	2.0	0.786	0.740	2.301	-1.888	± 0.259	300
	2250	2.5	0.881	0.841	2.053	-1.685	± 0.227	300
	2700	3.0	0.942	0.911	1.921	-1.576	± 0.210	300
1200	1200	1.0	0.377	0.281	2.703	-2.218	± 0.288	300
	1800	1.5	0.628	0.566	1.621	-1.330	± 0.143	300
	2400	2.0	0.786	0.740	1.294	-1.062	± 0.109	300
	3000	2.5	0.881	0.841	1.155	-0.948	± 0.096	300
	3600	3.0	0.942	0.911	1.080	-0.887	± 0.089	300
1500	1500	1.0	0.377	0.281	1.730	-1.420	± 0.147	300
	2250	1.5	0.628	0.566	1.038	-0.851	± 0.073	300
	3000	2.0	0.786	0.740	0.828	-0.680	± 0.056	300
	3750	2.5	0.881	0.841	0.739	-0.606	± 0.049	300
	4000	2.7	0.904	0.866	0.721	-0.591	± 0.048	300

### 5.3 WITH STIFFNER



b = span of panel  
a = length of panel  
(MAX a = 4000mm)  
19 x 38 x 3.0 RHS  
6063-T5 aluminium

Panel Span			Limiting Wind Pressure (kPa)					Maximum spacing of 5mmØ rivets along folded edge perimeter of panel (mm)
Panel Width b (mm)	Panel Length a (mm)	Ratio a/b	Correction factors		Ultimate Strength		Serviceability	
			ks	kd	Positive wind pressure	Negative wind pressure	Any direction wind pressure	
400	400	1.0	0.377	0.281	9.000	-9.000	± 9.900	300
	600	1.5	0.628	0.566	9.000	-9.000	± 9.000	300
	800	2.0	0.786	0.740	9.000	-9.000	± 7.768	300
	1000	2.5	0.881	0.841	9.000	-8.528	± 4.957	300
	1200	3.0	0.942	0.911	9.000	-7.979	± 3.851	300
600	600	1.0	0.377	0.281	9.000	-8.873	± 6.982	300
	900	1.5	0.628	0.566	6.485	-5.321	± 3.155	300
	1200	2.0	0.786	0.740	5.177	-4.248	± 2.302	300
	1500	2.5	0.881	0.841	4.619	-3.790	± 1.469	300
	1800	3.0	0.942	0.911	4.322	-3.546	± 1.141	300
900	900	1.0	0.377	0.281	4.806	-3.944	± 1.716	300
	1350	1.5	0.628	0.566	2.882	-2.365	± 0.935	300
	1800	2.0	0.786	0.740	2.301	-1.888	± 0.682	300
	2250	2.5	0.881	0.841	2.053	-1.685	± 0.435	300
	2700	3.0	0.942	0.911	1.921	-1.576	± 0.338	300
1200	1200	1.0	0.377	0.281	2.703	-2.218	± 0.543	300
	1800	1.5	0.628	0.566	1.621	-1.330	± 0.362	300
	2400	2.0	0.786	0.740	1.294	-1.062	± 0.271	300
	3000	2.5	0.881	0.841	1.155	-0.948	± 0.184	300
	3600	3.0	0.942	0.911	1.080	-0.887	± 0.143	300
1500	1500	1.0	0.377	0.281	1.730	-1.420	± 0.222	300
	2250	1.5	0.628	0.566	1.038	-0.851	± 0.148	300
	3000	2.0	0.786	0.740	0.828	-0.680	± 0.111	300
	3750	2.5	0.881	0.841	0.739	-0.606	± 0.089	300
	4000	2.7	0.904	0.866	0.721	-0.591	± 0.083	300

## 6. DURABILITY

### 6.1 EVALUATION

Durability is defined in the ABCB handbook as "... the capability of a building or plumbing installation to perform its function over a specified period."

The ABCB handbook also provides this context for consideration: "Durability is not an inherent property of a material or component. It is the outcome of complex interactions among a number of factors."

For building components durability is described in terms of design life. The durability performance of a building by its ability to remain fit-for-purpose over its design life in the environment it is subjected to and with appropriate maintenance.

The minimum design life for a wall cladding system on a building with a normal design life category is 15 years (refer to ABCB Handbook table 3.1).

### 6.2 STRUCTURAL

The NCC referenced standard for actions on buildings AS/NZ 1170 series provides direction for determining the appropriate loads on building components. Typically, a 50-year design life is the basis for structural design.

The design capacity of Vitracore G2 and its supports and fixings, must be determined in accordance with this design life using verification method BV1.

Project specifications for Vitracore G2 that are created in accordance with this document therefore have structural adequacy for a design life of 50 years.

### 6.3 MATERIAL PROPERTIES

Vitracore G2 has been subject to many tests and assessments concerning laminating strength of the product. For durability of the paint finishes used on Vitracore G2, refer to Kynar 500® FSF® documentation available at <https://www.kynar500.com/en/resources>.

Kynar 500® resin has been exposed to over 50 years of South Florida exposure testing with excellent results.



# 7. INSTALLATION CONSIDERATIONS

## 7.1 CONSIDERATIONS

- 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 meet dissimilar metals, a proper insulator or caulking tape should be applied to insulate between dissimilar materials to avoid corrosive and electrolytic action.
- The panel returns should not be caulked before protective film is removed.
- Please ensure Vitracore G2 is used as part of a compliant wall system, with all components complying with the deemed-to-satisfy provisions of the relevant NCC, or approved as part of a performance solution.
- Details 4, 6 & 8 include provision for drainage of liquid water, this can be disregarded if the wall system adequately treats this elsewhere.
- Details 5 & 6 include an "L" angle to strengthen the external fold, this can be disregarded if the rigidity of the fold is treated elsewhere (eg. in horizontal fixings)

## 7.2 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 Vitracore 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.

## 7.3 ACCESSORIES

- Please refer to the Vitrafix brochure.

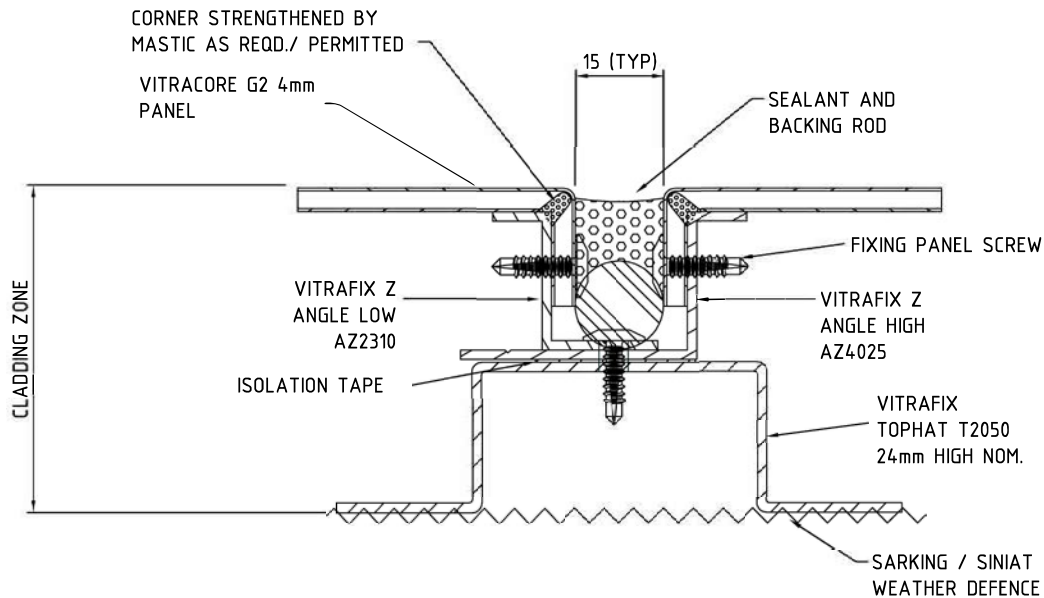
## 7.4 SEQUENCE

It is recommended that installation sequence is as follows:

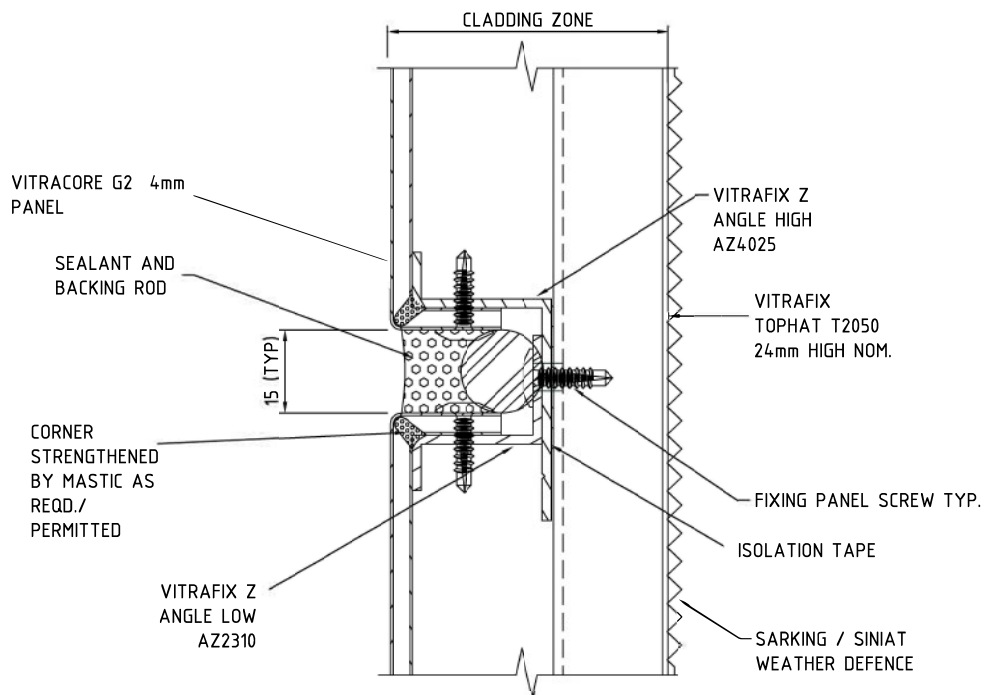
1. Installation of the water membrane as per manufacturers requirements.
2. Installation of tophats, levelled and fixed as per wind loading requirements.
3. Vitracore G2 panels fabricated and prepared for installation.
4. Installation of fabricated Vitracore G2 panels, fixing through Z angles tophats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

## 8. INSTALLATION DETAILS

### 1. TYPICAL VERTICAL PANEL JOINT DETAIL



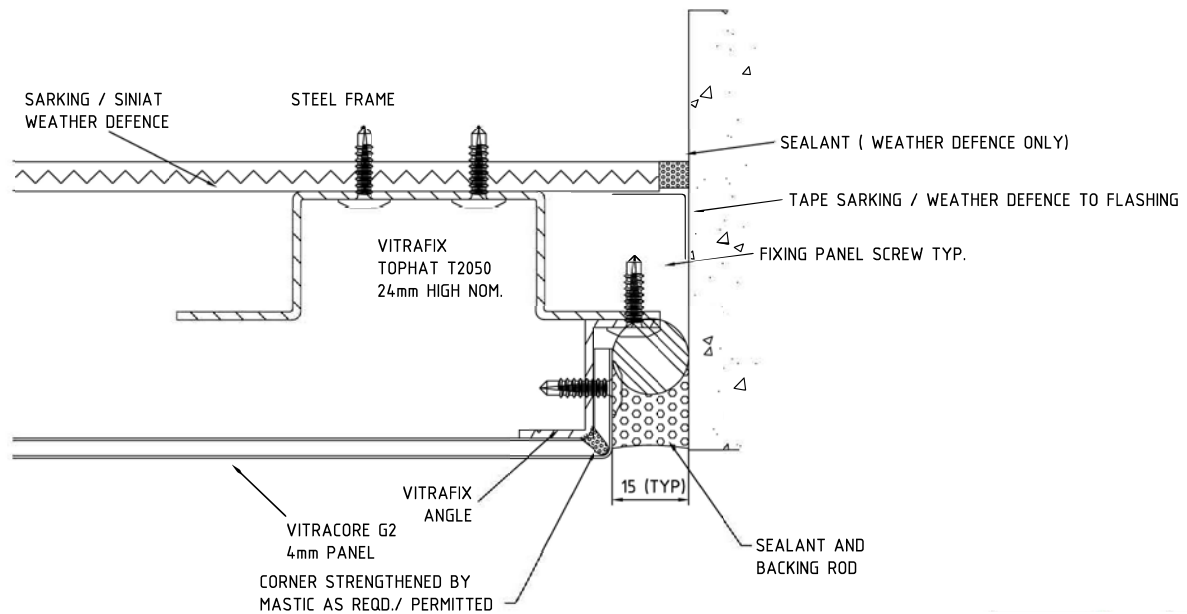
### 2. HORIZONTAL JOINT DETAIL



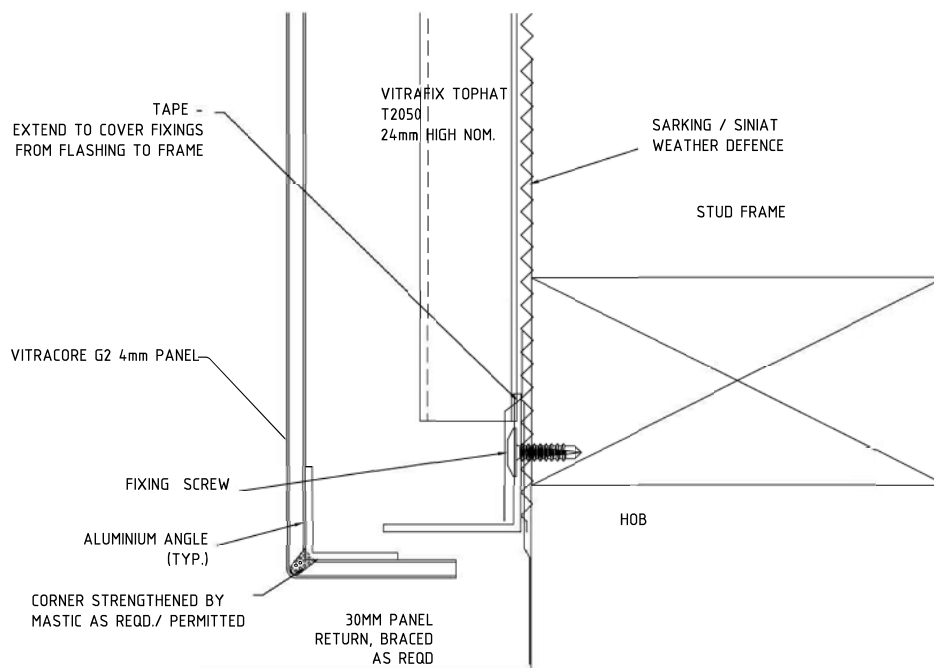
#### DISCLAIMER:

These details are limited to the generalized design specification for Vitracore G2, and are intended for use by a technically skilled person only. Use of the same is at their own discretion and risk.

### 3. WALL JUNCTION DETAIL



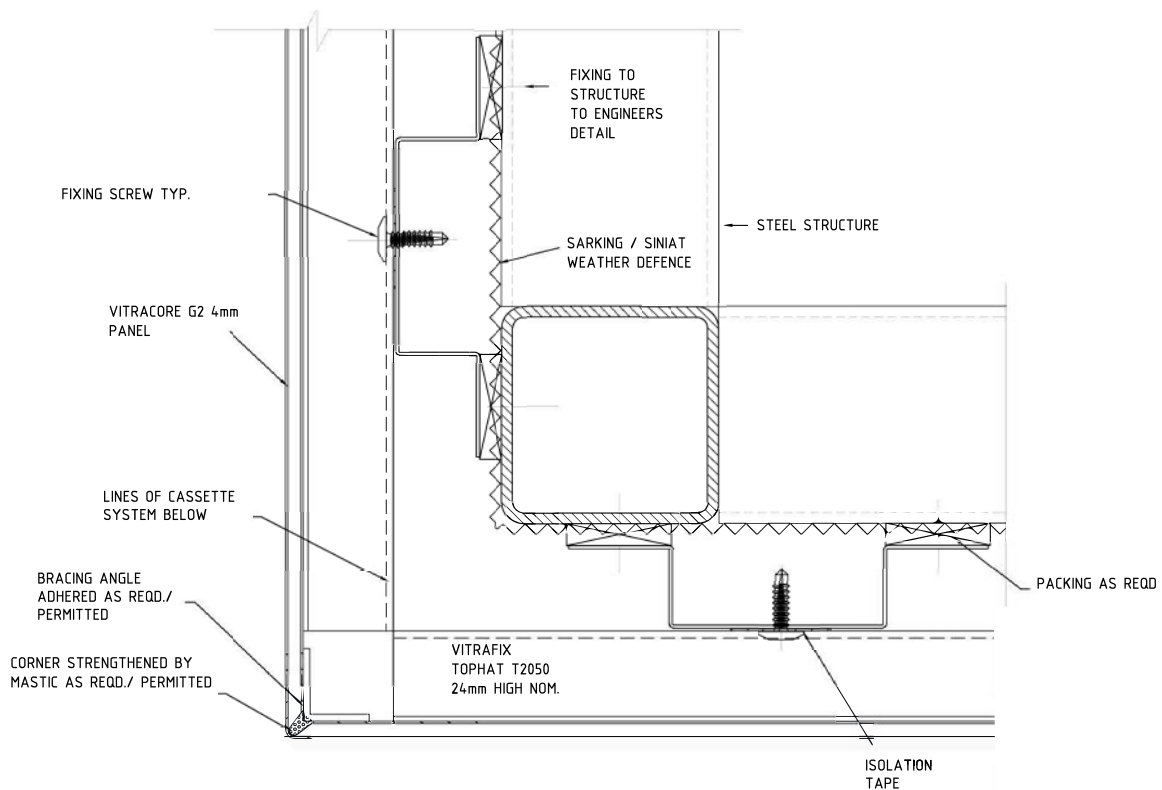
#### 4. BASE OPTION 1



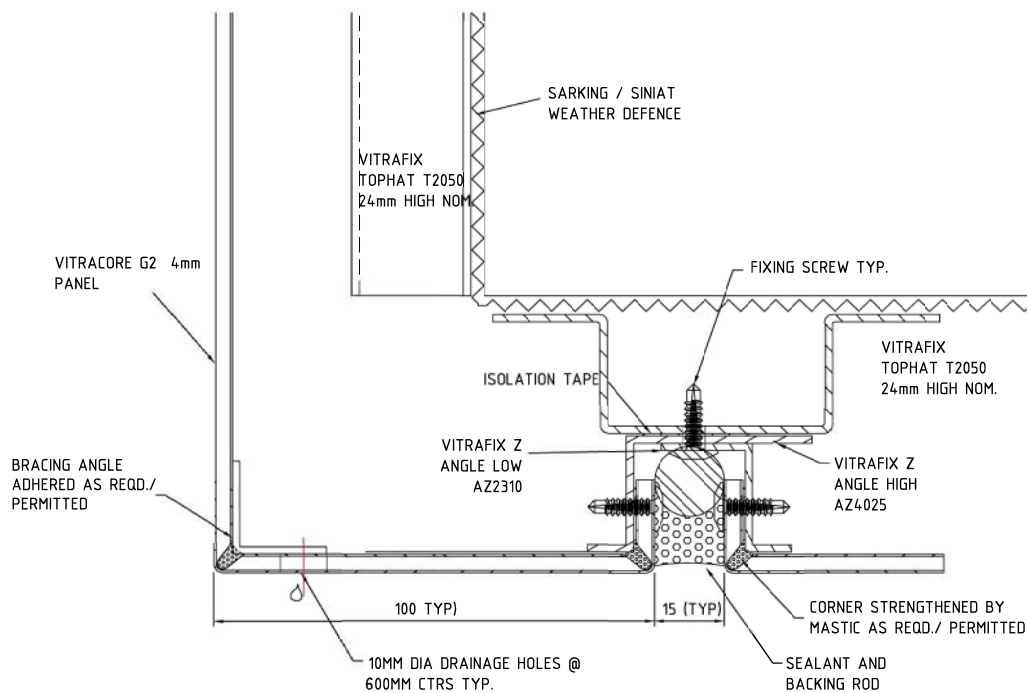
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## 5. EXTERNAL CORNER DETAIL



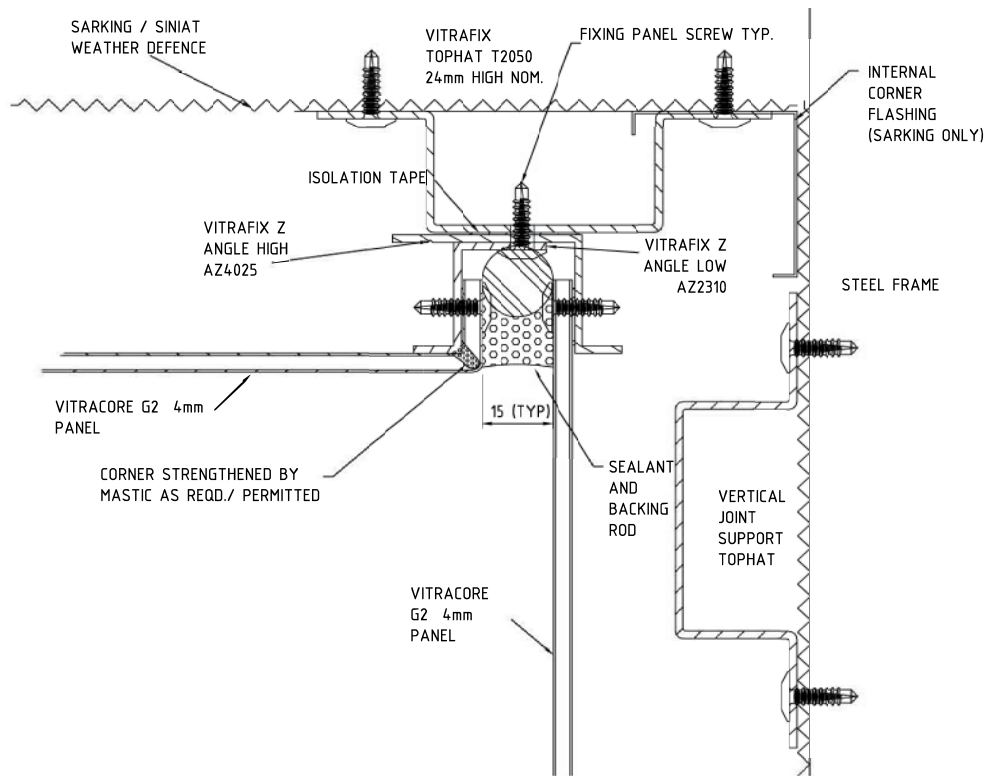
## 6. DETAIL AT SOFFIT JUNCTION



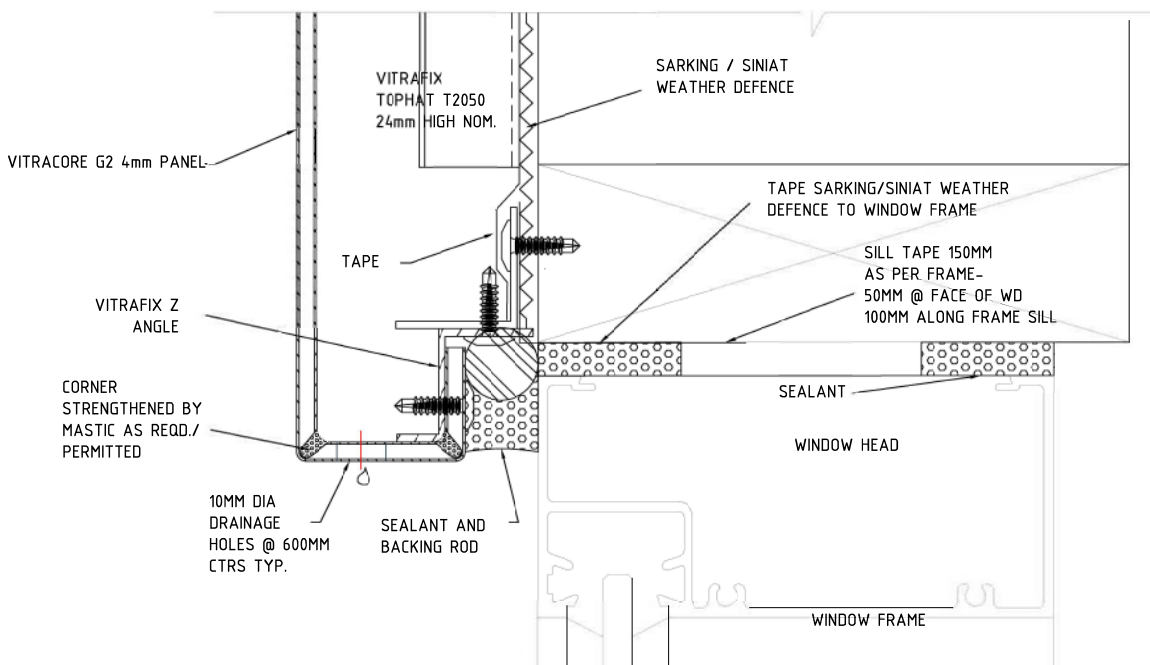
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## 7. REAR SOFFIT DETAIL



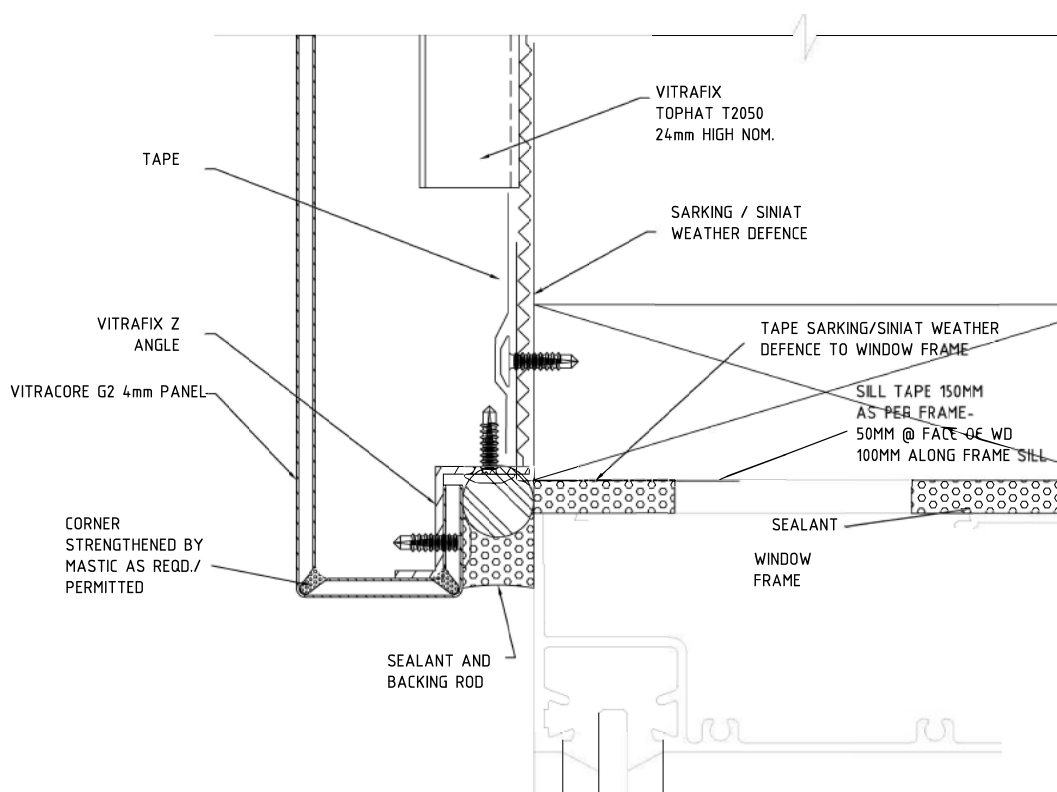
## 8. WINDOW HEAD DETAIL



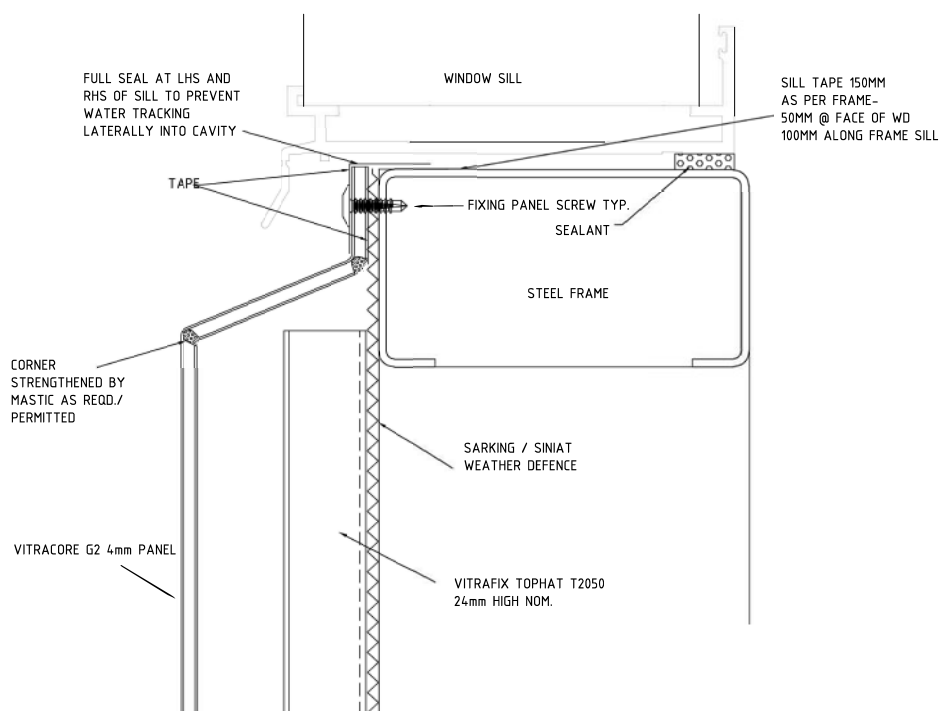
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## 9. WINDOW JAMB DETAIL



## 10. WINDOW SILL DETAIL

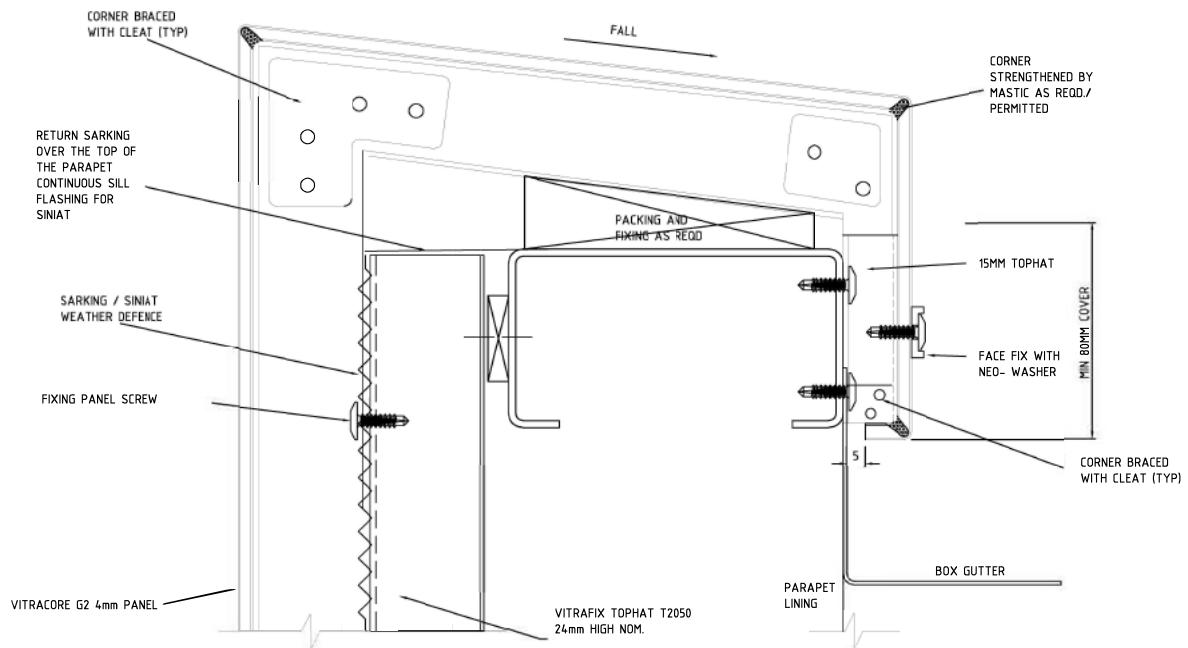


### DISCLAIMER:

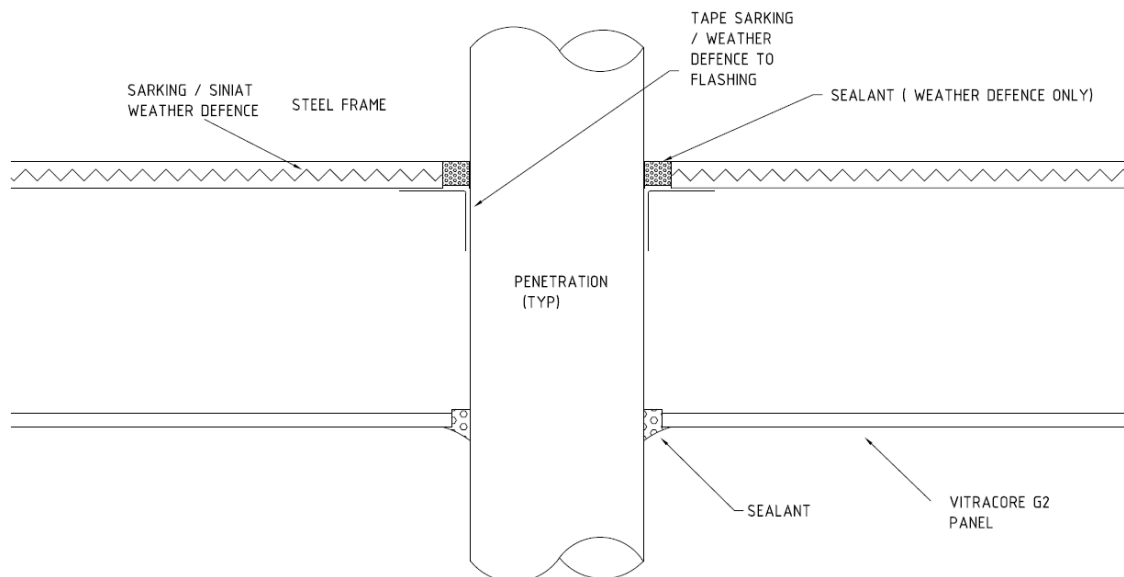
These details are limited to the generalized design specification for Vitracore G2, and are intended for use by a technically skilled person only. Use of the same is at their own discretion and risk.



## 11. PARAPET CAPPING DETAIL



## 12. TYPICAL PENETRATION DETAIL



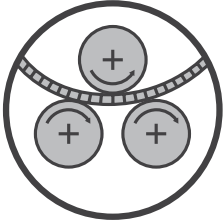
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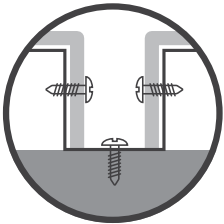
## 9. FABRICATION DETAIL

### 9.1 FABRICATION CONSIDERATIONS



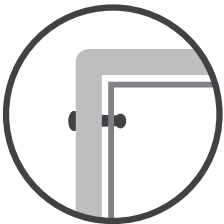
#### ROLL BENDING

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



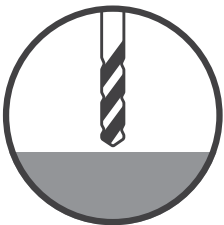
#### SCREWING

Vitracore G2 can be screwed with conventional stainless steel or class 3 self-drilling screws for metal. Take care to avoid overtightening the screws and denting the face skin of the panel. For outdoor use allow for thermal expansion.



#### RIVETING

Riveting is possible with the usual equipment and solid rivets or blind rivets, some localised pull-in of the face skin may occur. For outdoor use allow for thermal expansion.



#### DRILLING

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

## 9.2 MACHINING

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.

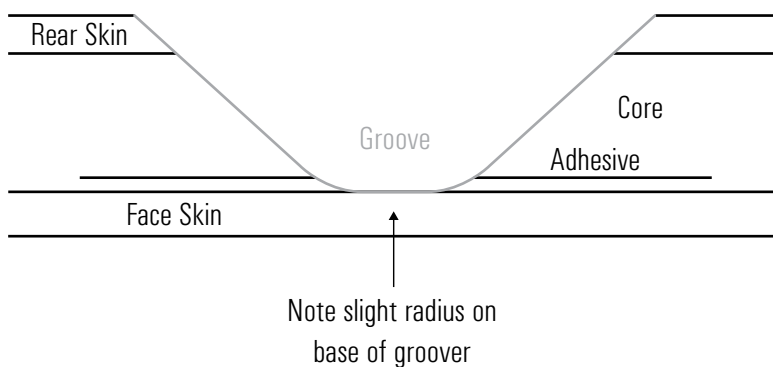
**GROOVING** - Grooving Vitracore G2 is a simple and easy process, very similar to grooving traditional ACP such as Vitrabond. The special profiled core of Vitracore G2 is slightly more exacting on the groove depth but does not present any issues.

**CUTTING** - Vitracore G2 can be cut with identical tooling to that used for Vitrabond 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.

## 9.3 CNC GROOVE

### CNC TYPICAL CONSIDERATIONS

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 finisher or bench grinder. Of course, this tool still works just as well for ACP.



### GROOVING

	TOOLING	FEEDS/SPEEDS	COMMENTS
CNC ROUTER	Typical 90° ACP V-groover with 3mm flat. Available from most tooling suppliers.	RPM: 18000 Feed: 8-12m/min	Keep sharp. Recommended to curve the flat on the groover slightly.

### CUTTING

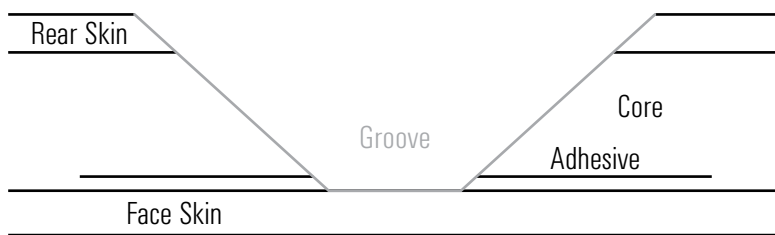
	TOOLING	FEEDS/SPEEDS	COMMENTS
CNC ROUTER	Typical 90° / 135° ACP V-groover with 3mm flat. Available from most tooling suppliers.	RPM: 18000 Feed: 8-12m/min	Keep sharp. Recommended to curve the flat on the groover slightly.

## 9.4 FESTOOL TYPICAL CONSIDERATIONS

When using a Festool, the grooving blade should remove all the aluminium of the core and be touching the adhesive layer on the rear of the face skin. With the Festool, the correct depth gauge roller is the Dibond4, available from Fairview.

This allows the blade to cut slightly deeper than it would with the usual Alucobond4 roller. 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.

## 9.5 FESTOOL GROOVE



### GROOVING

	TOOLING	FEEDS/SPEEDS	COMMENTS
FESTOOL	Standard Festool 90° grooving blade. Use Dibond 4 depth gauge roller.	Speed: 10-15m/min	Groove on a flat even surface to ensure depth accuracy.

### CUTTING

	TOOLING	FEEDS/SPEEDS	COMMENTS
FESTOOL	Use Festool special saw blade for aluminium.	10-15m/min	Orientate panel so blade is cutting into the face to prevent burring.

# 10. WARRANTY DETAIL

## 10.1 WARRANTY CONSIDERATIONS

Ensure at the end of your project a warranty document is requested. Vitracore G2 is an incredibly durable material when used in the right application. Check for the following when assessing an installation for warranty defects:

- There are no exposed aluminium at joints.
- More than a 5° pitch on horizontally installed panels (risk of water pooling).
- Panels installed with consistent directional arrows, unless intentional.
- Maintenance schedule is documented and undertaken.

Please contact your Fairview representative for full terms and conditions or any project specific enquires.

## 10.2 KEEPING YOUR WARRANTY FRESH

Maintaining your Vitracore G2 finish is an important component to upholding your warranty.

Cleaning frequencies can be based on your project location and provided in the warranty. Therefore, you should document each time your Vitracore G2 panels are cleaned.

Recommended cleaning agents:

- Mineral Spirits
- Organic Cleaners
- PH-Neutra I Solvents





# 11. MISCELLANEOUS

## 11.1 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 ISO 9001 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.

### ACCEPTABLE VARIATION

Width	± 2.0mm
Length	± 4.0mm
Thickness	± 2%
Bow	Maximum 0.5% of the length and/or width
Squareness	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.

## 11.2 HANDLING AND STORAGE

- Considerable care should be taken in the handling of Vitracore G2.
- Vitracore 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 Vitracore G2, there should be no swarf or other contaminants between the panels.
- Vitracore G2 should be stored in a cool and dry area where temperature is relatively stable.
- Pallets of Vitracore 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.

## 11.3 SUSTAINABILITY

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

All Fairview 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 Vitracore G2 bonded aluminium panels are 100% recyclable.



## 11.2 REPORT REGISTER

BCA 2019 VOL1 SECTION	DESCRIPTION	TEST/ASSESSMENT	REPORT/REFERENCE NUMBER
C – Fire Resistance	Combustibility	AS 1530.1	FNC12446
	Early Fire Hazard Properties	AS 1530.3	FNE12445
F – Health and Amenity	Weatherproofing	FP.14	30B-19-0059-TRP-6774694-1 30B-19-0059-TRP-6774696-1
G – Ancillary Provisions	BAL Ratings	IGNIS Assessment	IGNS-5200 ISSUE 02
Additional/ Supporting	Assessment	NCC2019 CSIRO Assessment	FCO-3166 REV E
	Assessment	RED FIRE REPORT NCC2019	190603_JV19-00103_Fairview
	Assessment	Fixing Advice	IGNS-6081 ISSUE 2, REV 1
	Assessment	AS5113 review NCC2019	190603_JV19-0010_Fairview NCC2019_Vitracore G2 Test assessment
B – Structural	Cyclonic Testing	Cyclonic High-Low	TS1108
	Spanning Capabilities	Multiple	0320B-R1B
Other	Coating Standard	AAMA2605-17	180813004SHF-BP-2
	Codemark	CMCOC A 2019	Please contact us for our current CodeMark number.



## DISCLAIMER

While the information provided relating to Fairview products is true to the tests and measures available to us, the information provided in this article is general in nature only and does not constitute project-specific building, construction or fire-safety advice. Before acting on any information on this document, you should consider the appropriateness of the information having regard to your project parameters and requirements. Fairview products are only deemed suitable or compliant after approval from building and construction professionals associated with specific projects and developments. If you'd like some further insight about this topic, contact Fairview on 1800 007 175 or email [helpdesk@fv.com.au](mailto:helpdesk@fv.com.au). We're here to help.



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**AUSTRALIA / NEW ZEALAND / UNITED KINGDOM**

**SALES ENQUIRIES 1800 007 175 [HELPDESK.AU@FV.COM.AU](mailto:HELPDESK.AU@FV.COM.AU)**