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FAÇADE SYSTEM ACCESSORIES / BY FAIRVIEW

Weatherproofing

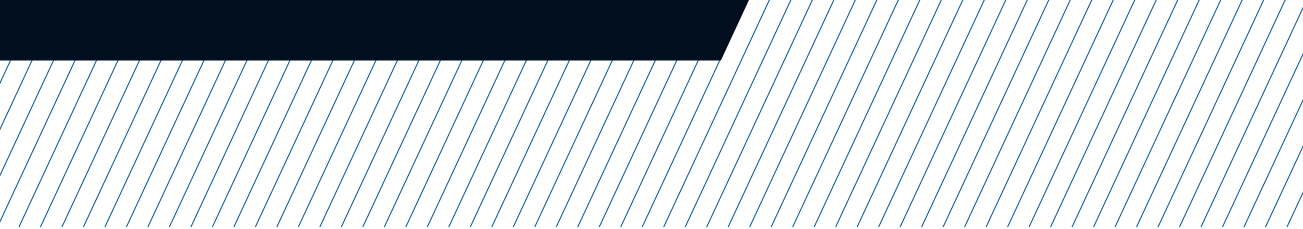
WALL SARK

WITH AS/NZS 42

WALL SYSTEMS


vitrifix™

FAÇADE SYSTEM ACCESSORIES / BY FAIRVIEW



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ABOUT

In the ever-evolving field of construction, the demand for reliable and efficient building materials has led to the development of tested cladding systems. Fairview is dedicated to providing high-quality and high-performing facade systems that not only enhance the aesthetic appeal of buildings, but also adhere to the rigorous standards set by the construction code. By combining innovative design with technical excellence, Fairview ensures that each facade system is durable, sustainable and safe. This commitment guarantees a built environment that is not only visually striking, but also resilient and compliant, contributing to long-lasting structures that meet both functional and regulatory requirements.

The core advantage of a tested cladding system lies in its proven reliability. Fairview's integrated wall systems, including the cladding panels, insulation, sarking, sub-framing, fixings and accessories, are designed and tested as a complete unit. This ensures consistent performance and compliance with Australian building codes and standards, offering architects, engineers, builders and installers peace of mind that their structures will stand the test of time. Moreover, each component is subjected to extensive testing for factors such as thermal performance, moisture resistance and structural integrity. This level of scrutiny ensures that the cladding system not only enhances a building's energy efficiency, but also protects it from water ingress, wind damage and temperature fluctuations. As a result, Fairview's facade systems contribute to lower maintenance costs and extended lifespans for buildings, making them a wise investment for any construction project.

Incorporating Fairview's tested cladding systems into architectural designs opens up a world of creative possibilities. With a variety of materials available, ranging from sleek metal panels to earthy natural finishes, architects can achieve their desired aesthetic while ensuring compliance with safety and performance standards. As sustainability becomes increasingly important, Fairview has introduced cladding systems that are designed with eco-friendly materials and practices in mind, appealing to environmentally conscious clients. Ultimately, Fairview's facade systems not only enhance the visual appeal of a building, but also reinforce their resilience and functionality, making them an essential choice for modern architecture.

This manual details the tested facade systems available by Fairview.

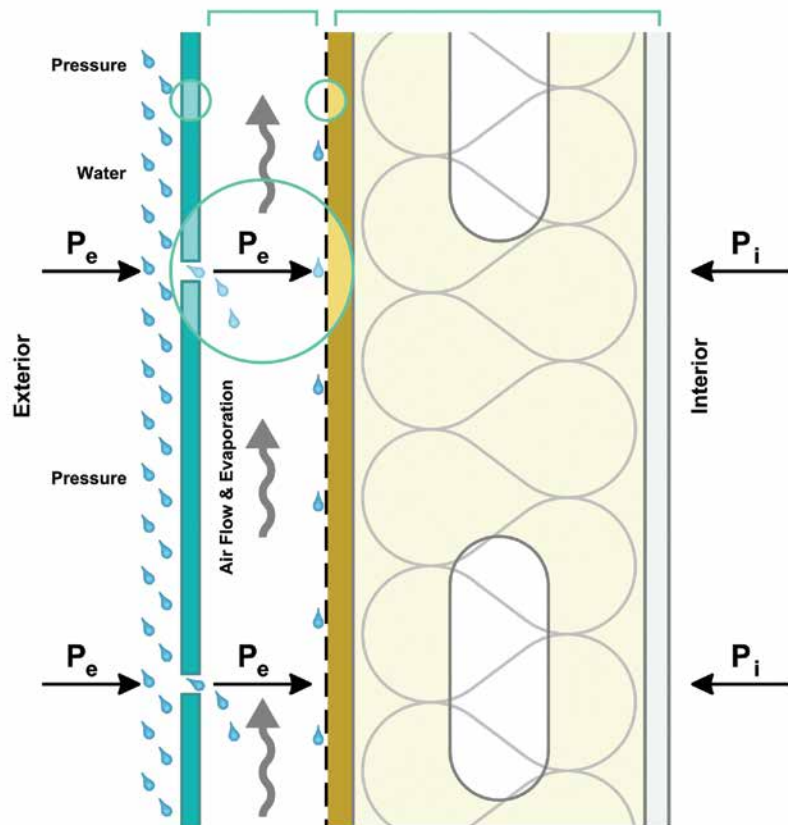


RAINSCREEN SYSTEMS

As the world increasingly turns to more sustainably designed builds, Fairview is investing substantially in the development of rainscreen cladding systems for both our natural and metal product ranges.

Rainscreen facade is a two-level construction system which provides superior waterproofing, long term durability and thermal efficiency.

When rain and wind forces moisture towards the building, the majority is deflected off the outer layer of the facade, the primary weatherproof layer. The moisture that permeates the outer layer is then managed through ventilation and drainage in the cavity between the primary weatherproof layer and the secondary weatherproof layer. Rainscreen systems therefore utilise air flow and ventilation to insulate buildings and minimise exposure and damage caused by the elements.



Drained, Back-Ventilated

Minimum amount of water reaches the AWB Barrier

Rainscreen facades combine an open cavity at the top and the bottom of the wall.

The top air cavity is protected with an overhang to minimise moisture entering.

Warmer air within the cavity rises and draws cooler air in from the base of the wall, helping the evaporative drying in the cavity for moisture and condensation control.

BENEFITS OF RAINSCREEN SYSTEMS

SUPERIOR WEATHERPROOFING:

Rainscreen facades protect the structure of the building from moisture, including rain and condensation, through a multi-layer barrier system, and is less prone to single failure point based on site workmanship.

Rainscreen facades minimise weatherproofing defects.

LONG TERM DURABILITY:

Rainscreen facades are less dependent on sealants, and hence are less subject to deterioration over time, and the maintenance cost of dealing with repairs.

CONDENSATION CONTROL:

When properly managed, condensation should form in the cladding cavity (as opposed to within the wall structure). A rainscreen provides for this to be drained or evaporated, thereby preventing damage and mould growth.

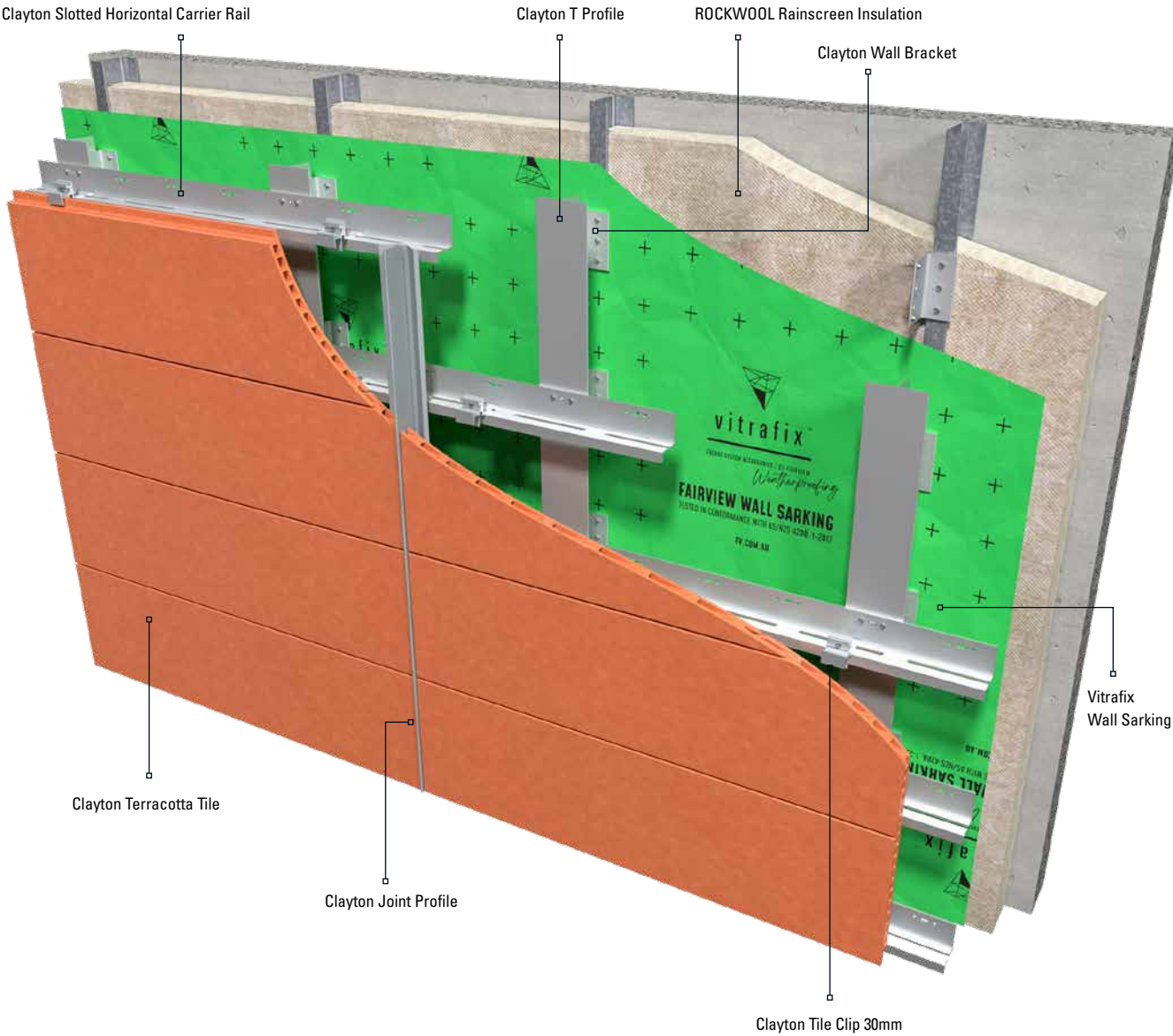
THERMAL EFFICIENCY:

A rainscreen facade helps shade the structure and dissipate heat. The heat, particularly from direct sunlight, is radiated into the cavity rather than being transferred directly into the structure. The warm air moves up and out the cavity by convection, drawing in cooler air at the base and insulating the primary wall structure.

CLAYTON TERRACOTTA FACADE SYSTEM

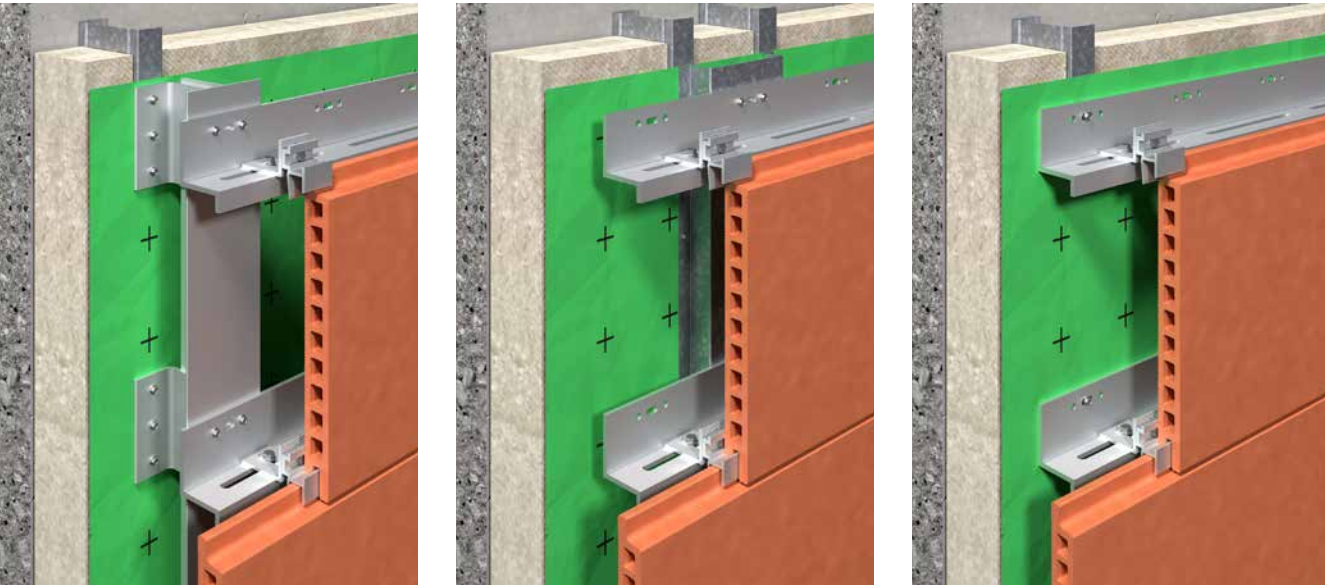
The Clayton Terracotta Facade System combines the charm of terracotta with modern production techniques, resulting in a range of high-performing facade products that meet design and building requirements. Manufactured from clay, sculptured into shape and then fired at high temperatures, Clayton comes in a range of terracotta cladding textures and colours to offer warmth and a tactile sensation that is not achievable with other building products.

The Clayton system is offered with a proprietary sub-framing that has been tested for strength and durability, and was locally engineered to suit Australian building requirements. Clayton can be installed directly onto the sub-frame (for example concrete, brick or stud wall), onto a top hat frame, or using a wall bracket and T-profile system that allows you to increase the wall cavity depth to allow for insulation or additional ventilation.



CLAYTON SUBSTRUCTURE

The substructure consists of aluminium profiles in the grade 6063 T6. Clayton is offered with three installation methods to greatly improve flexibility in design and installation efficiencies. These options include:



WALL BRACKET & T-PROFILE

The substructure consists of vertical T-profiles, anchored to the building with wall brackets. A horizontal carrier rail is attached to the vertical profiles, providing a base for fixing the Clayton tiles. The tiles are secured to the carrier rail using aluminium clips. This fixing method provides the maximum cavity depth, allowing for insulation to be placed within the facade cavity.

TOP HAT

The substructure consists of vertically mounted top hats installed at predetermined distances, depending on the loading requirements for the building. The vertical top hats permit the tile carrier to be fixed to the substructure allowing the terracotta tiles to be fixed onto the facade.

STUD WALL

The substructure consists of the tile carrier rail mounted directly onto the stud framing. This fixing method allows for the shallowest depth cavity, while the minimum use of sub-framing components speeds up the installation process and reduces the installation costs.

CLAYTON TESTING AND COMPLIANCE

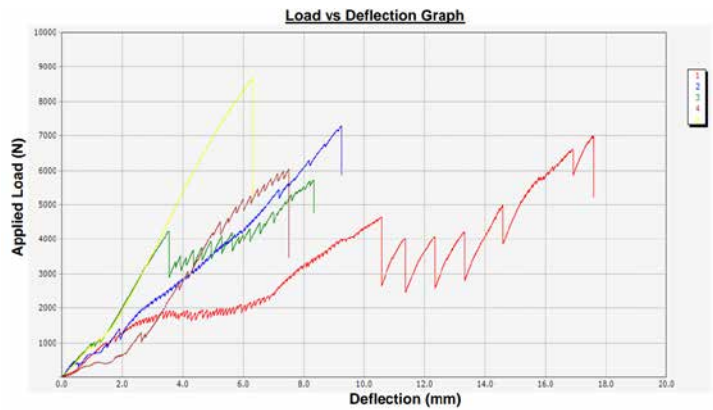
Fairview's Clayton Terracotta Facade System has undergone an intense local testing program and review by local consulting engineers to confirm durability and compliance to local requirements. This included:

AUSTRALIAN TEST STANDARD	TEST NAME
AS/NZS4456.10 / AS4046.7	Fired Clay Facade Units - Salt Attack
AS4456.6 & 13	Fired Clay Facade units Efflorescence and Lime Pitting
ISO10545.2	Tile Dimensions and Flatness
AZ/NZS4459.3	Water Absorption of Ceramic Tiles
AS1530.3	Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release
FAR127 Terracotta Tile System NCC Compliance	Engineering Compliance Assessment to Australian Standards
-	Four-point loading test 18/30mm tiles
-	Sheer Loading Connection Test 18/30mm tiles

1. CONNECTION LOAD TESTING

Connection testing to confirm the strength between the terracotta tile and its mounting clip.

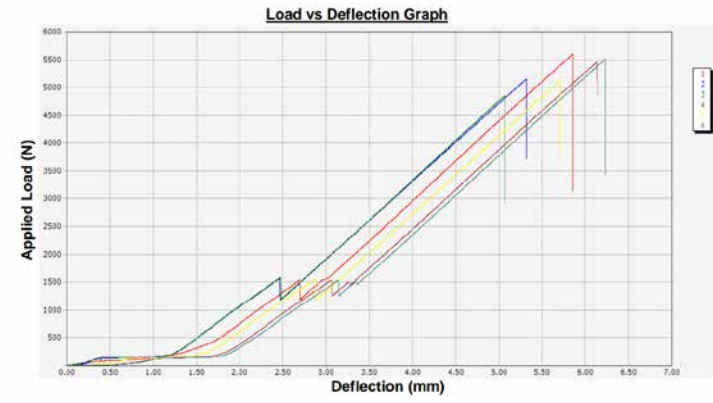
30MM TILE HORIZONTAL INSTALLATION



2. FOUR POINT LOAD TEST

Four Point Load Testing to confirm the breaking strength of the terracotta tile.

30MM TILE



Contact the Fairview team for the full test report.

3. WALL SARKING

Clayton Terracotta Facade System is offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Clima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA (REINFORCED) VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overlaid	180 Days	3 months	6 months
Warranty		10 Years	12 years	15 years

4. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	# PIECES PER PACK	AREA PER PACK (M2)
0.75	25	600	1200	12	4.32
1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

5. STEEL HAT OPTION

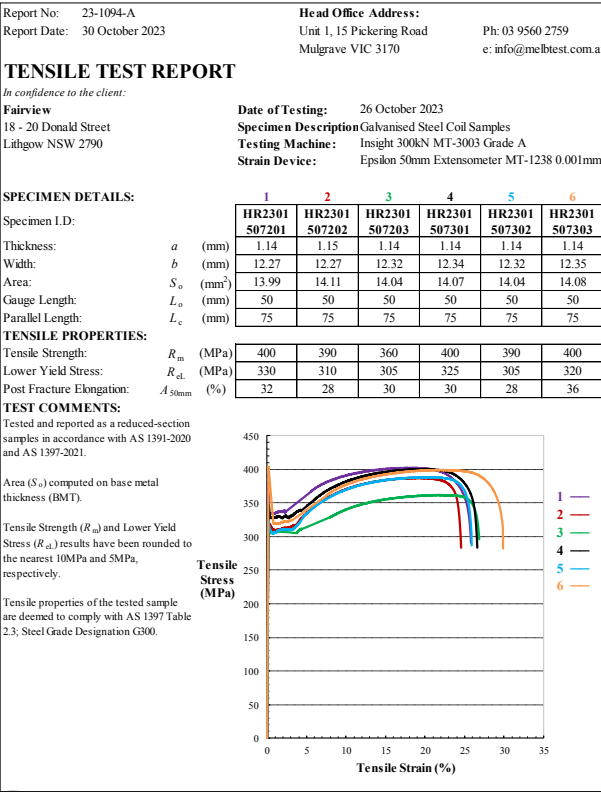
In order to ensure compliance and durability, the coil used to produce all Fairview Vitrafix Top Hats is tested in a NATA accredited test lab before being rolled into top hats. This testing confirms compliance to AS1397.

SAMPLE NO.	METALLIC COATING DESIGNATION	MEASURED SINGLE SPOT TOTAL COATING MASS BOTH SIDES [G/M²]	AS 1397 TABLE 3.1 MIN. COATING MASS REQUIREMENT [G/M²]	MEASURED BASE METAL THICKNESS [MM]	AS/NZS 1365 TABLE 5.1 THICKNESS TOLREANCES [MM]
1	Z275	310	250	1.14	1.15 ± 0.05
2	Z275	310	250	1.15	1.15 ± 0.05
3	Z275	265	250	1.14	1.15 ± 0.05
4	Z275	265	250	1.14	1.15 ± 0.05
5	Z275	255	250	1.14	1.15 ± 0.05
6	Z275	270	250	1.14	1.15 ± 0.05

Note: Coating mass rounded to 5 g/m² , as per AS 1397:2021



Vitrafix 35mm Galvanised Steel Ventilated Top Hat



COMMITMENT TO QUALITY, THE ENVIRONMENT AND COMPLIANCE

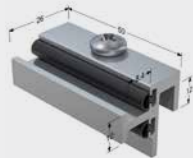
The Clayton Terracotta Facade System has been engineered for quality, durability, compliance and with sustainability in mind. This is evidenced by the industry-leading warranties, independent compliance certification and the use of natural materials and recyclability of Clayton, making it the right choice for Australian building designs.



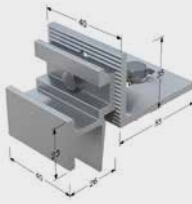
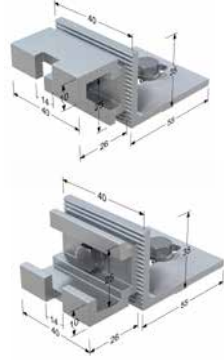
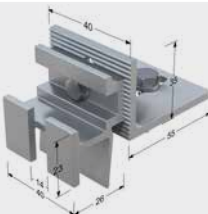
CLAYTON TERRACOTTA FACADE SYSTEM COMPONENT LIST

The Clayton Terracotta Facade System has been designed for durability, strength and performance. In line with this, the sub-framing components used for Clayton are either structural grade extruded aluminium or stainless steel, offering the highest performance against environmental conditions.

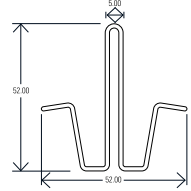
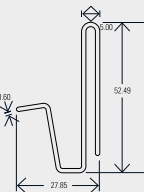
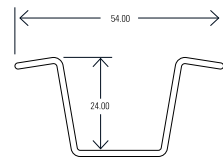
SUB-FRAMING ACCESSORIES

	NAME	DESCRIPTION	UNIT QUANTITY
	Clayton Terracotta Tile	Clayton Terracotta Facade tiles are available in various profiles and sizes.	LM
	Clayton 18mm Horizontal Clip	Used as the mounting clip to install the 18mm Clayton terracotta tile. Grade: 6061 Temper: T5 Screw: S/S	1
	Clayton 18mm Horizontal Carrier Rail	Used as the carrier rail to install the 18mm Clayton terracotta tile. Grade: 6061 Temper: T5	1
	Clayton 30mm Tile T-Profile 5.8m	Used in conjunction with the Clayton 30mm terracotta tile wall bracket to install the carrier rail. Allows for a deeper cavity in order to install insulation within the cavity. Grade: 6061 Temper: T5	1
	Clayton 30mm Tile Wall Bracket	Used in conjunction with the Clayton 30mm Tile T-Profile to install the carrier rail. Allows for a deeper cavity in order to install insulation within the cavity. Grade: 6061 Temper: T5	1
	Clayton 30mm Tile Carrier Rail 5.8m	Used as the carrier rail that supports the Clayton 30mm Tile Clips.	1

SUB-FRAMING ACCESSORIES

NAME	DESCRIPTION	UNIT QUANTITY
	Used as the mounting clip to install the 30mm Clayton terracotta tile in a horizontal orientation. Grade: 6061 Temper: T5 Bolt/washer/nut: S/S	1
	Used as the mounting clip to install the 30mm Clayton terracotta tile in a horizontal orientation. Grade: 6061 Temper: T5 Bolt/washer/nut: S/S	1
	Used as a mounting clip to install the 30mm Clayton terracotta tile in a vertical orientation. Grade: 6061 Temper: T5 Bolt/washer/nut: S/S	1
	Used as the mounting clip to install the 30mm Clayton terracotta tile in a Vertical orientation. Grade: 6061 Temper: T5 Bolt/washer/nut: S/S	1

SUB-FRAMING ACCESSORIES

CODE	NAME	DESCRIPTION	UNIT QUANTITY
	Clayton Joint Profile	Used in the vertical joints between the terracotta tiles. Grade: 3003 Temper: H24 Thickness: 0.5mm	1
	Clayton Joint Abutment Profile	Used in the vertical joints between the terracotta tile and wall. Grade: 3003 Temper: H24 Thickness: 0.5mm	1
	Clayton Spring Profile	Used in the cavity behind the Clayton terracotta cladding to tension the tiles and limit movement at the ends of the wall. Grade: 3003 Temper: H24 Thickness: 0.5mm	1
	T5035S	35mm Steel Top Hat 2.9m Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035L	35mm Steel Top Hat 5.8m Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PS	35mm Steel Top Hat Ventilated 2.9m Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT 50X35X20 TOP HAT - DIA 20 MM WITH 72 PITCH	1
	T5035PL	35mm Steel Top Hat Ventilated 5.8m Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT 50X35X20 TOP HAT - DIA 20 MM WITH 72 PITCH	1

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VVS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m ² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMS	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE [M2K/W] ROUNDED TO 0.05	THICKNESS [MM]	DENSITY [KG/ M3]	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

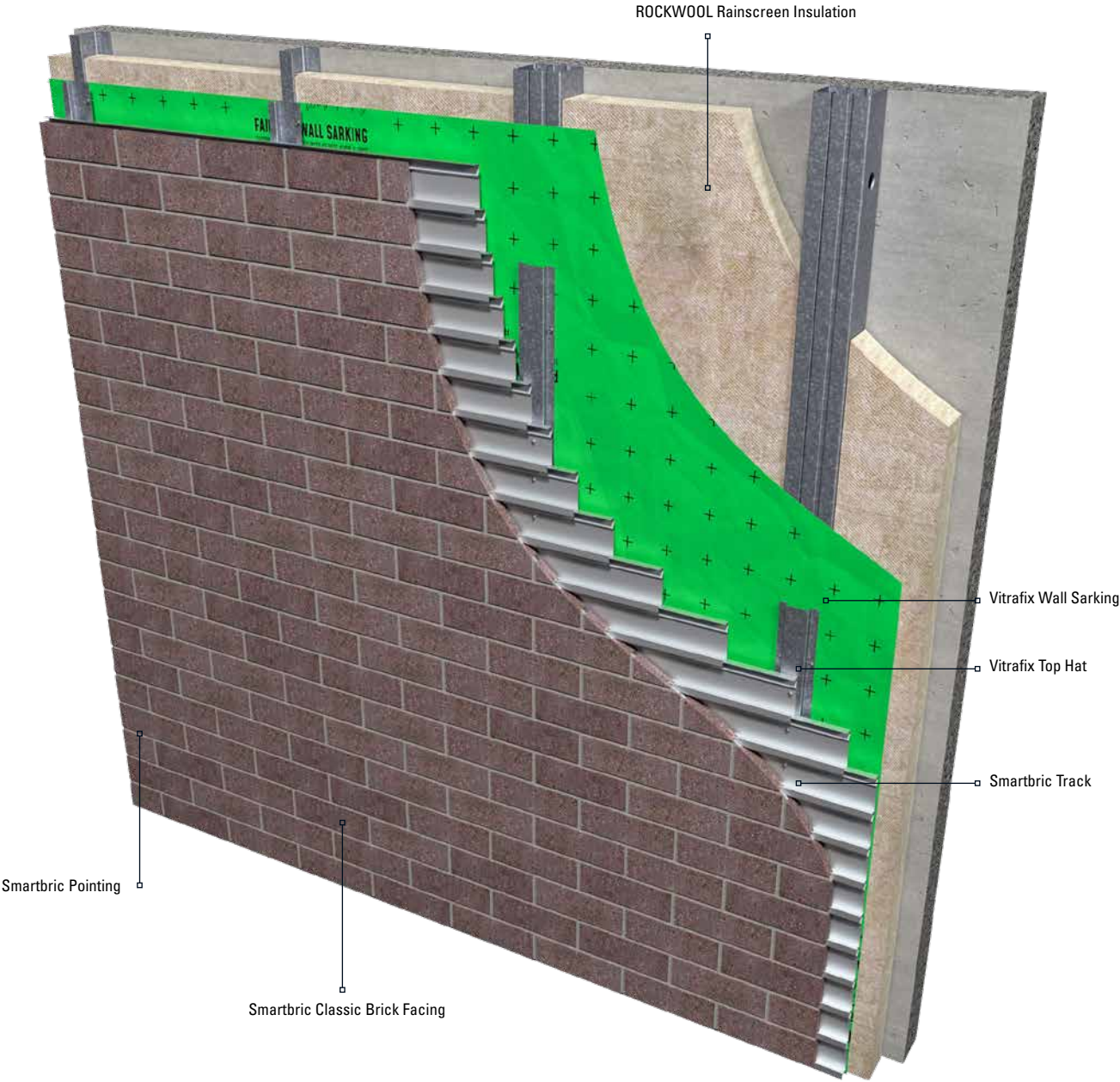
	CODE	PRODUCT	THICKNESS [MM]	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

SMARTBRIC BRICK FACADE SYSTEM

Smartbric by Fairview is an innovative ventilated rainscreen brick facade system which ingeniously incorporates the option of a grouted Classic brick facing or a modern Rapid mortar-less brick facing in combination with either a unique mounting track or universal rail option to deliver a versatile natural looking masonry facade solution.

The Smartbric Classic and Rapid brick facings are secured into position using a dual locking mechanism capturing both the top and bottom of the brick facing unit. Smartbric Classic is designed to be finished off using a mortar to deliver a flush finish brick-look, whereas the Smartbric Rapid is designed as a mortar-less system. The Rapid brick's recessed edges provide a shadow effect that replicates the look and character of brickwork with a raked joint. Smartbric Rapid can also be grouted if desired.



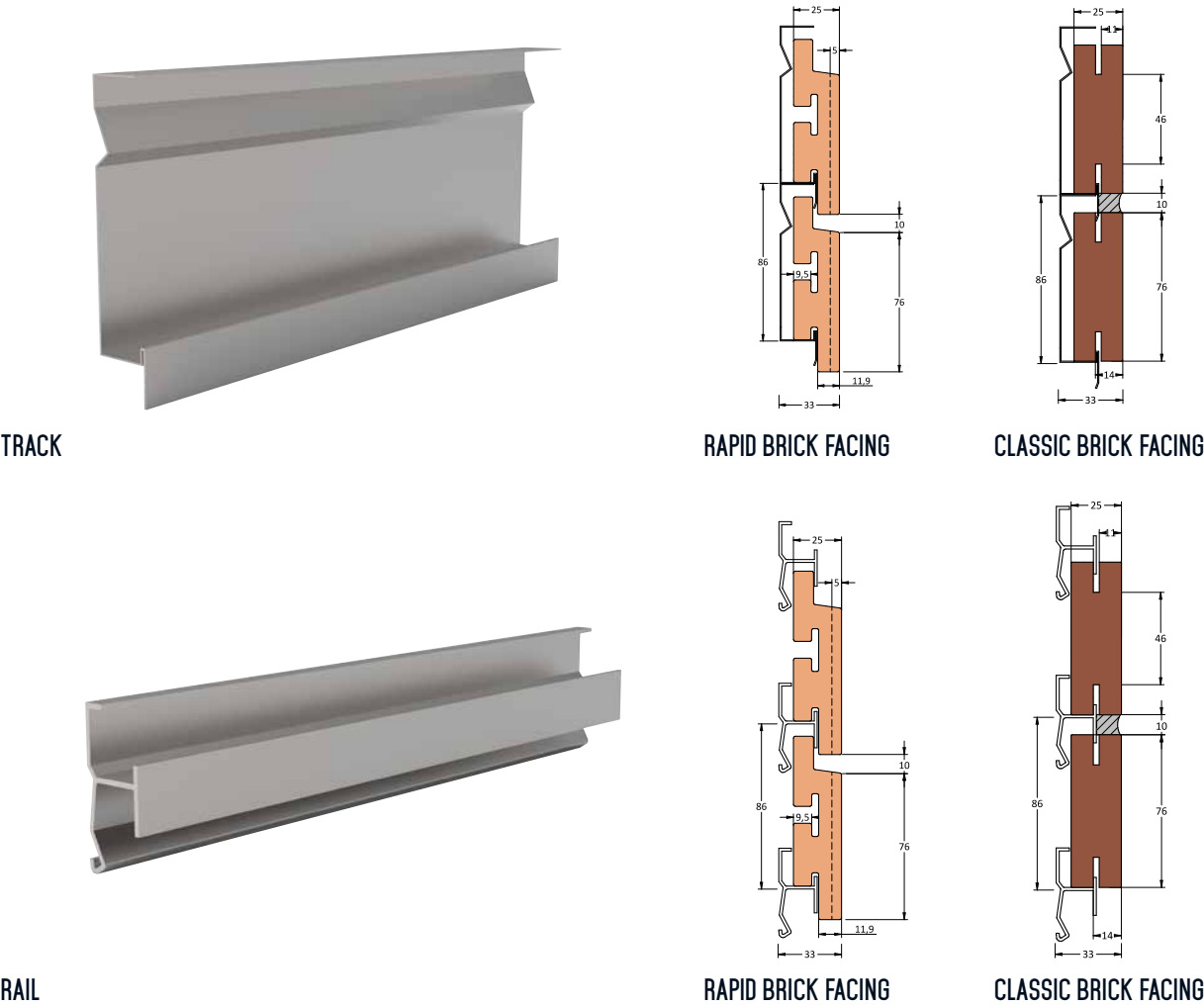
SMARTBRIC SYSTEM COMPONENTS

Brick facings are made from genuine brick cuttings or specially manufactured and profiled fired clay, which when installed, deliver the genuine appearance, colour and texture of a real clay brick wall.



SMARTBRIC INSTALLATION OPTIONS

Smartbric is available in two installation options which maximise installation efficiency.



The Track and Rail installation options can be used together to create a universal Track and Rail mounting eco-system, allowing for a highly customisable solution and mix and match approach.



SMARTBRIC TESTING AND COMPLIANCE

Fairview's Smartbric brick facade system has undergone an intensive local testing program and review by local consulting engineers to confirm durability and compliance to local requirements. This included:

AUSTRALIAN TEST STANDARD	TEST NAME
NCC Volume One B1D4 and ABCB Housing Provisions 2.2.4	Determination of structural resistance of materials and forms of construction, for actions determined in accordance with NCC Volume One B1D3 and ABCB Housing Provisions 2.2.3
NCC Volume One F3P1 and Volume Two H2P2	Weatherproofing
AS/NZS 1170.1	Structural Design Actions Part 1
AS/NZS 1170.2	Structural Design Actions – Wind Actions
AS 1562.1	Design and Installation of Sheet Roof and Wall Cladding - Metal
AS/NZS 4284	Testing of Building Facades
AS 4055	Wind Loads for Housing

1. TRACK AND RAIL

The Smartbric framing systems are engineered for enhanced durability and performance, with Track available in either G200 and Z275 galvanised steel and Rail available in high-quality aluminium.

The G200 and Z275 galvanised steel options for the Track system offer superior corrosion resistance, ensuring a long-lasting solution in environments prone to moisture and harsh conditions. Alternatively, the aluminium Track provides an even higher level of performance in corrosive environments. Together, these materials make Smartbric an ideal choice for applications where longevity and resistance to the elements are critical.

2. SMARTBRIC REDI-MIX POINTING MORTAR



Smartbric Redi-Mix Polymer Modified Flexible Mortar was developed and tested as a pointing mortar for the Smartbric Ventilated Rainscreen Brick Facade System. Tested to AS4284-2008: Testing of building facades, the pre-mixed polymer modified mortar provides excellent bond and weather exposure performance.

Smartbric Redi-Mix provides an authentic mortar pointing look without the shortcomings or restraints of traditional mortars. The polymer modified formulation ensures consistency, ease of use and good workability.

Smartbric Redi-Mix Flexible Pointing Mortar is a synthetic mortar specially developed for brick masonry pointing. It has excellent mortar texture and fatigue loading characteristics after conditioning by prolonged water saturation (as per Australian Standard AS4046.8- 2015).

Once cured, Smartbric Redi-Mix Flexible Pointing Mortar forms an incredibly strong and durable bond between the masonry units and excellent adhesion to the metallic Track or Rail framing system.

3. WALL SARKING

Smartbric Ventilated Rainscreen Brick Facade System is offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Clima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia Requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA [REINFORCED] VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overclad	180 Days	3 months	6 months
Warranty		10 years	12 years	15 years

4. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	# PIECES PER PACK	AREA PER PACK (M2)
0.75	25	600	1200	12	4.32
1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

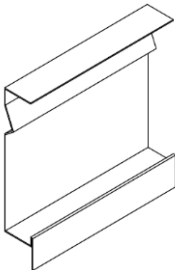
COMMITMENT TO QUALITY, THE ENVIRONMENT AND COMPLIANCE

The Smartbric ventilated rainscreen brick facade system has been engineered for quality, durability, compliance and with sustainability in mind. This is evidenced by the industry-leading warranties, independent compliance certification and the use of natural materials and recyclability of Smartbric, making it the right choice for Australian building designs.

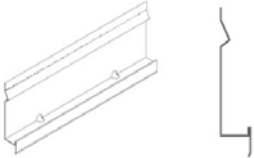
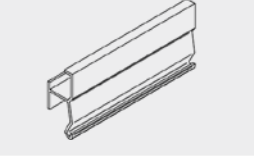
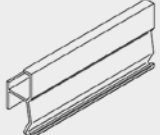
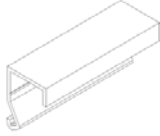
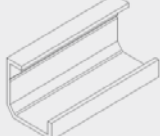


SMARTBRIC BRICK FACADE SYSTEM COMPONENT LIST

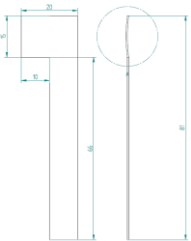
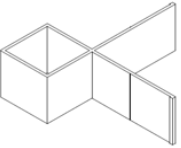
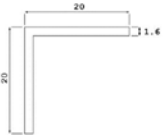
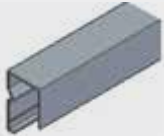
SUB-FRAMING ACCESSORIES

NAME					CODE		DESCRIPTION		UNIT QUANTITY
	Smartbric Track 2.4m	SBTR1000	GAL Z275	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTR2000	GAL Z450						
		SBTR0010	Offwhite						
		SBTR0011	Monolith						
		SBTR0012	Gull Grey						
		SBTR0013	Birch						
	Smartbric Track 3m	SBTR0014	Wallaroo	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTR0015	Armour Grey						
		SBTR0016	Slate Grey						
		SBTR1100	GAL Z275						
		SBTR2100	GAL Z450						
		SBTR0110	Offwhite						
	Smartbric Track 4m	SBTR0111	Monolith	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTR0112	Gull Grey						
		SBTR0113	Birch						
		SBTR0114	Wallaroo						
		SBTR0115	Armour Grey						
		SBTR0116	Slate Grey						
	Smartbric Track 4m	SBTR1200	GAL Z275	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTR2200	GAL Z450						
		SBTR0210	Offwhite						
		SBTR0211	Monolith						
		SBTR0212	Gull Grey						
		SBTR0213	Birch						
	Smartbric Track 4m	SBTR0214	Wallaroo	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTR0215	Armour Grey						
		SBTR0216	Slate Grey						

SUB-FRAMING ACCESSORIES

NAME					CODE		DESCRIPTION		UNIT QUANTITY
	Smartbric Track Creeper 2.4m	SBTRC1000	GAL Z275	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTRC2000	GAL Z450						
		SBTRC0010	Offwhite						
		SBTRC0011	Monolith						
		SBTRC0012	Gull Grey						
		SBTRC0013	Birch						
	Smartbric Track Creeper 3m	SBTRC0014	Wallaroo	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTRC0015	Armour Grey						
		SBTRC0016	Slate Grey						
		SBTRC1100	GAL Z275						
		SBTRC2100	GAL Z450						
		SBTRC0110	Offwhite						
	Smartbric Track Creeper 4m	SBTRC0111	Monolith	LM			Magnaflow: Offwhite Monolith Gull Grey Birch Wallaroo Armour Grey Slate Grey		
		SBTRC0112	Gull Grey						
		SBTRC0113	Birch						
		SBTRC0114	Wallaroo						
		SBTRC0115	Armour Grey						
		SBTRC0116	Slate Grey						
	Smartbric Rail 6.5m	SBRA0000	Mill	LM			Custom		
		SBRA1111	Custom						
	Smartbric Top Rail 6.5m	SBTR0000	Mill	LM			Black White Offwhite Custom		
		SBTR0001	Black						
	Smartbric Bottom Rail 6.5m	SBTR0002	White	LM			Offwhite Custom		
		SBTR0003	Offwhite						
	Smartbric Bottom Rail 6.5m	SBBR0000	Mill	LM			Black White Offwhite Custom		
		SBBR0001	Black						
	Smartbric Bottom Rail 6.5m	SBBR0002	White	LM			Offwhite Custom		
		SBBR0003	Offwhite						
	Smartbric Bottom Rail 6.5m	SBBR1111	Custom	LM					

SUB-FRAMING ACCESSORIES

NAME	CODE	DESCRIPTION	UNIT QUANTITY
	CBSP1000	Unizinc	1
	SBSP0010	Magnaflow:	
	SBSP0011	Offwhite	
	SBSP0012	Monolith	
	SBSP0013	Gull Grey	
	SBSP0014	Birch	
	SBSP0015	Wallaroo	
	SBJO0010	Unizinc	1
	SBJO0010	Magnaflow:	
	SBJO0011	Offwhite	
	SBJO0012	Monolith	
	SBJO0013	Gull Grey	
	SBJO0014	Birch	
	SBJO0015	Wallaroo	
	SBEA0000	Mill	LM
	SBEA0001	Black	
	SBEA0002	White	
	SBEA0003	Offwhite	
	SBEA1111	Custom	
	SBIA0000	Mill	LM
	SBIA0001	Black	
	SBIA0002	White	
	SBIA0003	Offwhite	
	SBIA1111	Custom	
	SBA0000	Mill	LM
	SBA0001	Black	
	SBA0002	White	
	SBA0003	Offwhite	
	SBA1111	Custom	
	SBJM0000	Mill	LM
	SBJM0001	Black	
	SBJM0002	White	
	SBJM0003	Offwhite	
	SBJM1111	Custom	

SUB-FRAMING ACCESSORIES

NAME	CODE	DESCRIPTION	UNIT QUANTITY
	S2535PS	Vitrafix S Battens serve as a steel substrate. The new ventilated S Battens keep the cavity ventilated, preventing moisture ingress. Grade: G550 Thickness: 1.15 BMT Coating: Z275	1
	S2535PL	Vitrafix S Battens serve as a steel substrate. The new ventilated S Battens keep the cavity ventilated, preventing moisture ingress. Grade: G550 Thickness: 1.15 BMT Coating: Z275	1

MORTAR

NAME	CODE	DESCRIPTION	UNIT QUANTITY
	SBAM0000	Neutral	1
	SBR0001 SBR0002 SBR0003	Neutral Oatmeal Grey	1

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VWS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m ² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMs	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE [M2K/W] ROUNDED TO 0.05	THICKNESS [MM]	DENSITY [KG/ M3]	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

	CODE	PRODUCT	THICKNESS [MM]	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

GENESIS & GENESIS SIGNATURE PREFINISHED COMPRESSED FIBRE CEMENT FACADE SYSTEMS

Genesis and Genesis Signature are innovative prefinished compressed fibre cement facade solutions, designed to meet the highest standards of compliance with the National Construction Code (NCC). The comprehensive testing processes and certifications guarantee that Genesis exceeds all relevant compliance requirements providing architects, engineers and builders with confidence that their projects will be durable and lasting.

Genesis and Genesis Signature are sold as complete, fully integrated systems, which means they are not standalone products but part of a broader system that works in harmony to achieve compliance. This systemised approach simplifies the process for builders by offering an all-in-one solution, reducing the complexities of compliance across various stages of construction. With the full system approach, builders can ensure that every component, from materials to installation methods, is compatible and compliant with NCC standards, facilitating smoother approvals and inspections.

In addition to being tested for regulatory compliance, Genesis and Genesis Signature also undergo independent third-party review (CodeMark) to verify their performance and durability in real-world applications.

GENESIS TESTING AND COMPLIANCE

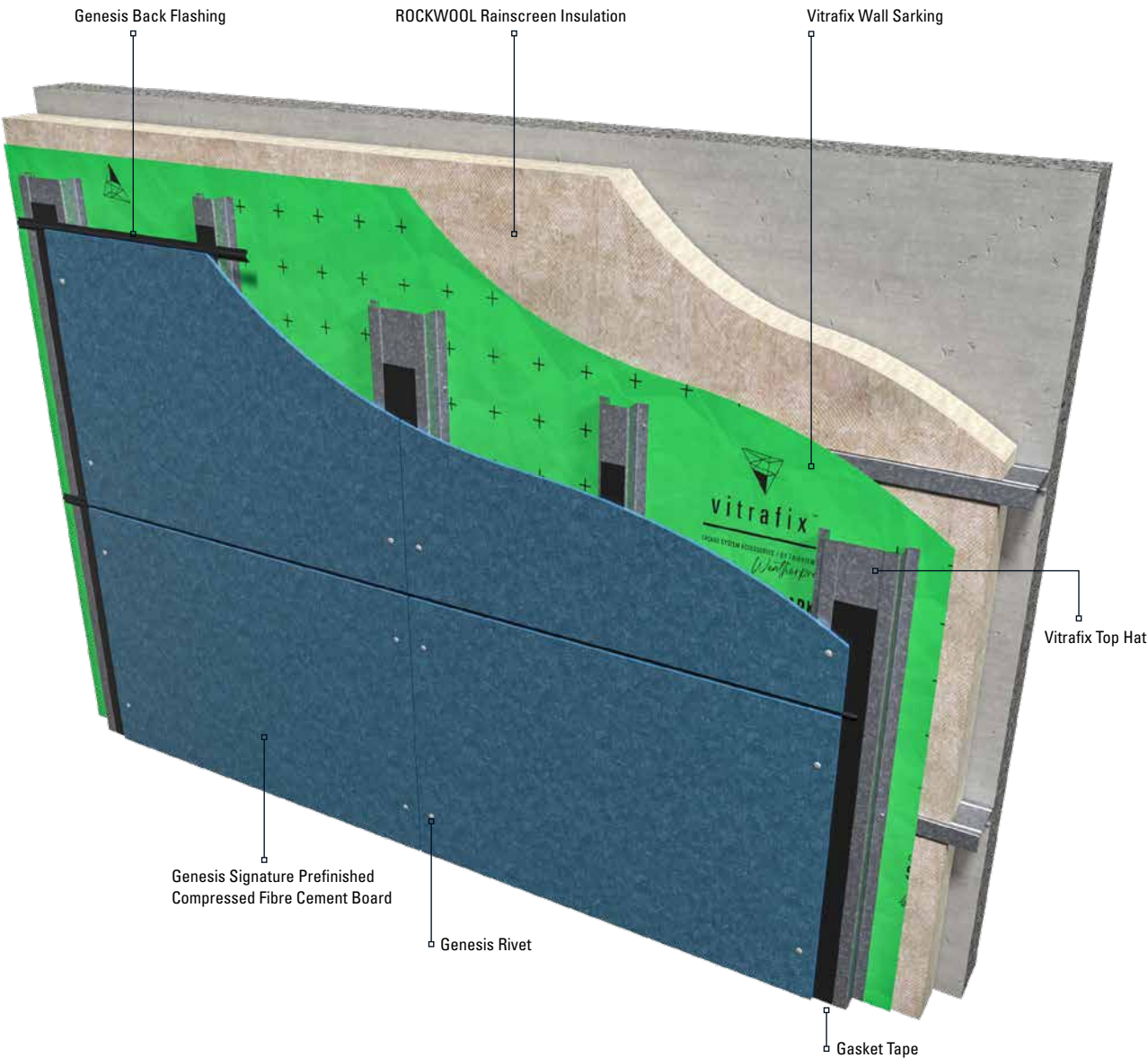
Fairview's Genesis and Genesis Signature prefinished compressed fibre cement facade systems have been intensively tested to ensure durability, strength and compliance to the Building Code of Australia. The following testing and compliance assessments have been completed for Genesis and Genesis Signature:

AUSTRALIAN TEST STANDARD	GENESIS	GENESIS SIGNATURE
CFC Panel Pull Out Test SFS TUF-S Concealed Anchors - DC Tech and Aluminium Extrusion	YES	
AS1530.3	YES	YES
AS4284	YES	YES
Group Number Assessment	YES	YES
Impact Testing	YES	YES
Bushfire Assessment	YES	YES
AS2908.2:2000 (ISO 8336) Cellulose-cement Products - Part 2 Compliance	YES	YES

1. IMPACT TESTING

With the facade being the primary protection against external forces, Genesis and Genesis Signature have been tested to ISO 7892:1998 in accordance with ETAG 034 to confirm durability and strength against impact.

TYPE OF IMPACT	TYPE OF BALL	MASS	ENERGY	HEIGHT	POSITION	OBSERVATION
5.4.4.1	Steel ball	0.5kg	1 Joule	0.20m	3 locations	No damage
	Steel ball	0.5kg	3 Joule	0.61m	3 locations	No damage
	Steel ball	1.0kg	10 Joule	1.02m	3 locations	No damage
5.4.4.2	Soft ball	3.0kg	10 Joule	0.34m	3 locations	No damage
	Soft ball	3.0kg	60 Joule	2.04m	3 locations	No damage
	Soft ball	50.0kg	300 Joule	0.61m	At least in the centre point	Broken, deterioration
	Soft ball	50.0kg	400 Joule	0.82m	At least in the centre point	Not tested



PREFINISHED COMPRESSED FIBRE CEMENT / MANUFACTURED BY FAIRVIEW

Signature



PREFINISHED COMPRESSED FIBRE CEMENT / MANUFACTURED BY FAIRVIEW

2. WALL SARKING

Genesis and Genesis Signature prefinished compressed fibre cement systems are offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Clima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA [REINFORCED] VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overclad	180 Days	3 months	6 months
Warranty		10 years	12 years	15 years

3. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS [MM]	WIDTH [MM]	LENGTH [MM]	# PIECES PER PACK	AREA PER PACK [M2]
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1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

4. SUB-FRAMING TESTING FOR COMPLIANCE

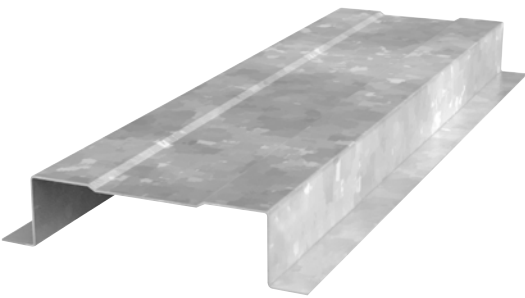
In order to ensure compliance and durability, the coil used to produce all Fairview Vitrafix Top Hats is tested in a NATA accredited test lab before being rolled into top hats. This testing confirms compliance to AS1397.

SAMPLE NO.	METALLIC COATING DESIGNATION	MEASURED SINGLE SPOT TOTAL COATING MASS BOTH SIDES [G/M²]	AS 1397 TABLE 3.1 MIN. COATING MASS REQUIREMENT [G/M²]	MEASURED BASE METAL THICKNESS [MM]	AS/NZS 1365 TABLE 5.1 THICKNESS TOLREANCES [MM]
1	Z275	310	250	1.14	1.15 ± 0.05
2	Z275	310	250	1.15	1.15 ± 0.05
3	Z275	265	250	1.14	1.15 ± 0.05
4	Z275	265	250	1.14	1.15 ± 0.05
5	Z275	255	250	1.14	1.15 ± 0.05
6	Z275	270	250	1.14	1.15 ± 0.05

Note: Coating mass rounded to 5 g/m² , as per AS 1397:2021



Vitrafix 35mm Galvanised Steel Ventilated Top Hat



Vitrafix 120mm Galvanised Steel Top Hat

Report No: 23-1094-A
Report Date: 30 October 2023

Head Office Address:
Unit 1, 15 Pickering Road
Mulgrave VIC 3170

Ph: 03 9560 2759
e: info@meltest.com.au

TENSILE TEST REPORT

In confidence to the client:

Fairview
18 - 20 Donald Street
Lithgow NSW 2790

Date of Testing:

26 October 2023

Specimen Description

Galvanised Steel Coil Samples

Testing Machine:

Insight 300kN MT-3003 Grade A

Strain Device:

Epsilon 50mm Extensometer MT-1238 0.001mm

SPECIMEN DETAILS:

Specimen I.D:

Thickness:

Width:

Area:

Gauge Length:

Parallel Length:

1

2

3

4

5

6

HR2301
507201

HR2301
507202

HR2301
507203

HR2301
507301

HR2301
507302

HR2301
507303

a (mm)

1.14

1.15

1.14

1.14

1.14

1.14

b (mm)

12.27

12.27

12.32

12.34

12.32

12.35

S_o (mm²)

13.99

14.11

14.04

14.07

14.04

14.08

L_o (mm)

50

50

50

50

50

50

L_c (mm)

75

75

75

75

75

75

TENSILE PROPERTIES:

Tensile Strength:

Lower Yield Stress:

Post Fracture Elongation:

R_m (MPa)

400

390

360

400

390

400

R_{el} (MPa)

330

310

305

325

305

320

A_{50mm} (%)

32

28

30

30

28

36

TEST COMMENTS:

Tested and reported as a reduced-section samples in accordance with AS 1391-2020 and AS 1397-2021.

Area (*S_o*) computed on base metal thickness (BMT).

Tensile Strength (*R_m*) and Lower Yield Stress (*R_{el}*) results have been rounded to the nearest 10MPa and 5MPa, respectively.

Tensile properties of the tested sample are deemed to comply with AS 1397 Table 2.3; Steel Grade Designation G300.

Tensile Stress (MPa)

450

400

350

300

250

200

150

100

50

0

0

5

10

15

20

25

30

35

Tensile Strain (%)

1

2

3

4

5

6

Stainless steel rivets are offered with Genesis and Genesis Signature due to their strength and durability. The rivets are colour coated to ensure a match to the Genesis facade board.

OPEN STAINLESS RIVET (STAINLESS MANDREL)

SNT

DH

XAX - BH

Big Head

Open rivet with stainless steel head and stainless steel mandrel

Dome head

Name of product type

PRODUCT RANGE

DIAMETER D1 (MM)	LENGTH L (MM)	DRILL HOLE	HEAD DIAMETER D2 (MM)	HEAD HEIGHT K (MM)	LOAD CAPACITY TENSILE/SHEAR (N)
ø4.8	20	ø4.9	ø14.0	2.5	3700 / 3100

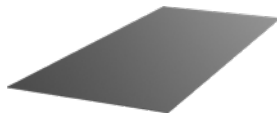
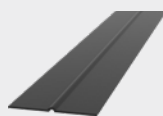
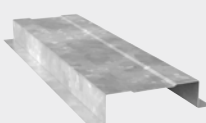
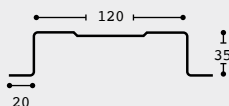
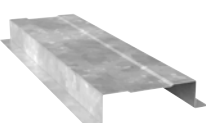
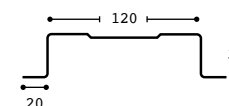
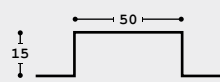
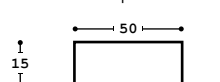
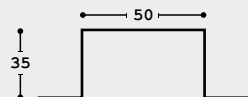
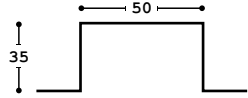
COMMITMENT TO QUALITY, THE ENVIRONMENT AND COMPLIANCE

Genesis and Genesis Signature have been engineered for quality, durability, environmental stewardship and compliance to local building requirements. This is evidenced by the industry-leading warranties, independent compliance certification and environmental credentials held by Genesis, making it the right choice for Australian building designs.

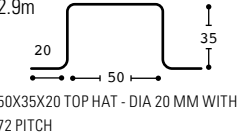


GENESIS PREFINISHED COMPRESSED FIBRE CEMENT FACADE SYSTEM COMPONENT LIST

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY												
		Genesis & Genesis Signature Facade Board	Through-coloured, prefinished compressed fibre cement board. <table><tr><th>Width (mm)</th><th>Length (mm)</th><th>Thickness (mm)</th></tr><tr><td colspan="3">Standard</td></tr><tr><td>1250</td><td>2500</td><td>8</td></tr><tr><td>1250</td><td>3050</td><td>8</td></tr></table>	Width (mm)	Length (mm)	Thickness (mm)	Standard			1250	2500	8	1250	3050	8	LM
Width (mm)	Length (mm)	Thickness (mm)														
Standard																
1250	2500	8														
1250	3050	8														
		3.5mm Back Flashing 3m	Used as a weather seal for horizontal joints between Genesis boards. 3.5mm x 0.48 BMT	1												
		35mm Perforated Base Flashing 50mm Perforated Base Flashing	Used at the base of wall to exclude vermin and allow ventilation. Available as: 35mm Perforated Base Flashing - 70 x 35 x 35 - 3000mm 50mm Perforated Base Flashing - 70 x 50 x 35 - 3000mm All profiles have a 4.8mm diameter perforated hole size.	1												
	T12035S	120mm Steel Top Hat 2.9m 	Designed to span vertically across the building structure to support the facade panels at vertical joints. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												
	T12035L	120mm Steel Top Hat 5.8m 	Designed to span vertically across the building structure to support the facade panels at vertical joints. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												
	T5015S	15mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												
	T5015L	15mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												
	T5035S	35mm Steel Top Hat 2.9m 	Metal top hat installed vertically for intermediate sheet support. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												
	T5035L	35mm Steel Top Hat 5.8m 	Metal top hat installed vertically for intermediate sheet support. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1												

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	T5035PS	35mm Steel Top Hat Ventilated 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PL	35mm Steel Top Hat Ventilated 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1

OTHER INSTALLATION ACCESSORIES

	NAME	DESCRIPTION	UNIT QUANTITY
	Gasket Tape	EPDM closed cell foam gasket tape with single sided self-adhesive. For use on vertical top hats. 48 x 3mm x 25m Roll 25 x 3mm x 25m Roll	1
	Drill Bit	For use when pre-drilling Genesis boards. 9 x 35/70mm Drill bit included. Replacement Centring Drill Bits sold separately.	1
	Genesis Centring Drill Gauge	Used for pre-drilling top hats. 9G/4.9mm	1
	Stainless Steel Rivet	Used to face fix Genesis boards. The entire range of rivets come with washers attached and are colour coded to match the board. 4.8 x 20mm SS Rivet w/washer	250pcs
	Genesis Fixed Point Sleeve	Genesis Fixed Point Sleeve for SS Rivet	100pcs
	Genesis Rivet Setting Tool	Special nosepiece that must be used for Genesis Signature Facade Rivets.	1
	250mL Edge Sealer Kit	For use with Genesis boards to seal edges after cutting.	1
	Saw Blade	Saw blade designed for fast and clean cutting of Genesis facade boards using a plunge or circular saw. 160mm Dia x 4T x 20mm	1

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VWS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m ² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMS	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE (M2K/W) ROUNDED TO 0.05	THICKNESS (MM)	DENSITY (KG/ M3)	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

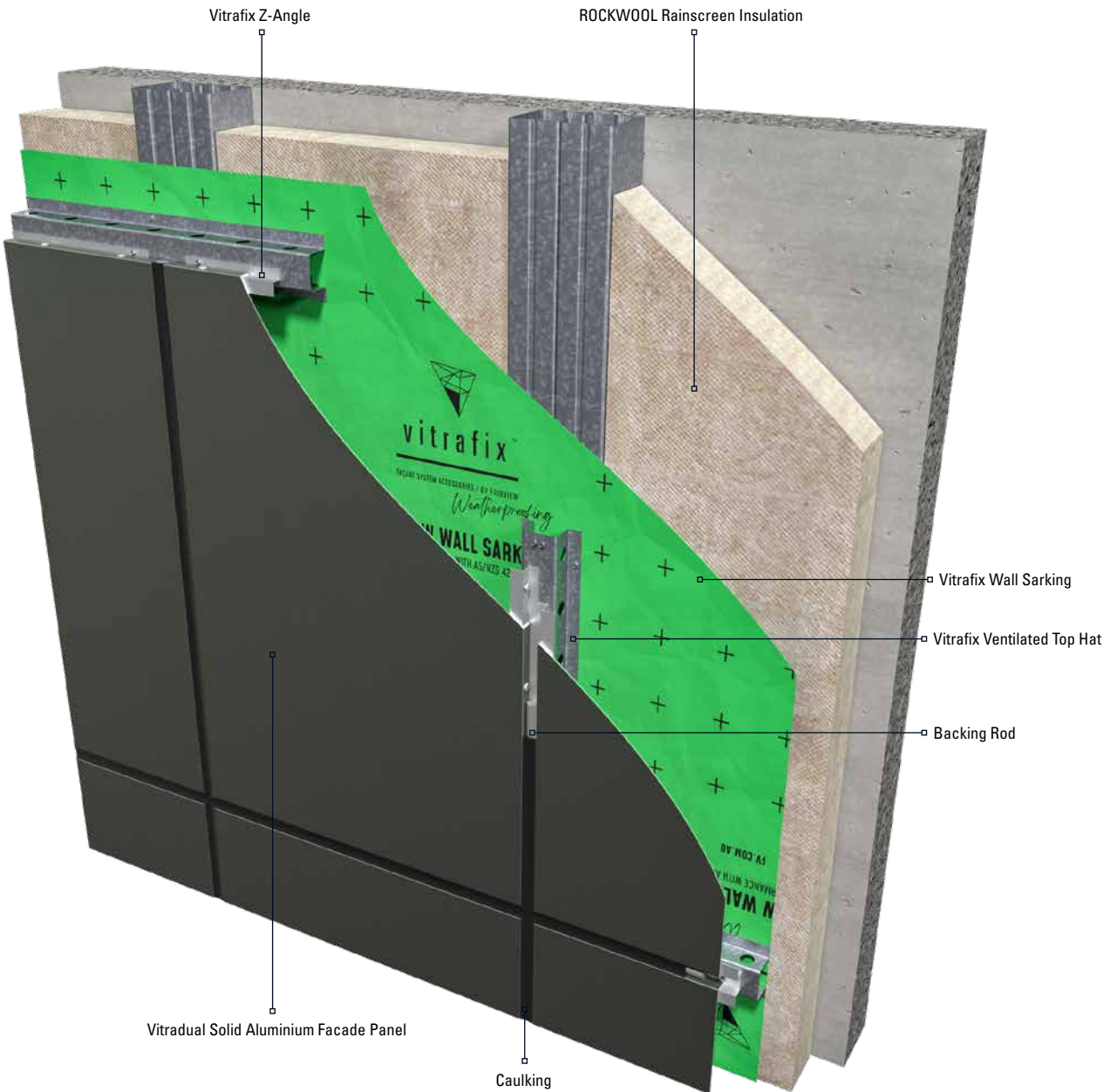
	CODE	PRODUCT	THICKNESS (MM)	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

VITRADUAL SOLID ALUMINIUM FACADE SYSTEM

Vitradual is a 3mm solid aluminium facade system that forms part of Fairview’s range of NCC compliant, deemed non-combustible cladding solutions. Vitradual is a high impact resistant, solid panel which can be fabricated, curved and rolled.

Vitradual is offered as a fully integrated cladding system that has been rigorously tested and is CodeMark Certified as a tested system. Fairview offers a comprehensive range of sub-framing components designed to seamlessly integrate with the Vitradual cladding system, ensuring full compliance with building codes and the rigorous testing that Vitradual has undergone. These sub-framing components are engineered to support the structural integrity of the cladding while providing a reliable foundation that enhances the overall performance of the system.



VITRADUAL TESTING AND COMPLIANCE

Fairview's Vitradual solid aluminium cassette cladding system has been intensively tested to ensure durability, strength and compliance to the Building Code of Australia. The following testing and compliance assessments have been completed for Vitradual:

TEST STANDARD	RESULT		
AS 1530.1	Non-Combustible		
AS 1530.3	Pass	Ignitability Index	0
	Pass	Heat Evolved	0
	Pass	Spread of Flame	0
	Pass	Smoke Developed	1

1. COATING DURABILITY

AAMA2605 test is conducted to evaluate the durability and performance of architectural coatings, particularly on aluminium and metal products exposed to outdoor environments.

This test simulates long-term exposure to harsh conditions such as UV radiation, temperature fluctuations, humidity and pollutants, ensuring the coating maintains its aesthetic appearance and protective properties over time. AAMA2605 testing is fundamental to demonstrating long term resistance to fading, chalking and corrosion.

Fairview’s Vitradual has undergone testing to AAMA2605, ensuring a durable facade with long term visual appeal and structural integrity.



TEST ITEMS, METHODS AND RESULTS

AAMA2605-17 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminium Extrusions and Panels.

CLASSIFICATION	TEST STANDARD	RESULT	COMMENTS
Colour Uniformity	ASTM D2244-16	ΔE = 0.06	Pass
Specular Gloss	ASTM D523-14	G 24.8	Pass
Dry Film Hardness	ASTM D3363-05 (R2011)e2	3H	Pass
Film Adhesion	ASTM D3359-17	Dry: 5B Wet: 5B Boiling Water: 5B	Pass
Impact Resistance	AAMA 2605 (8.5)	After impact, no removal	Pass
Abrasion Resistance	ASTM D968-17A	118.6	Pass
Muriatic Acid Resistance (15min spot)	AAMA 2605 (8.7.1)	5B	Pass
Mortar Resistance (24hr pat test)	AAMA 2605 (8.7.2)	5B	Pass
Nitric Acid Resistance	AAMA 2605 (8.7.3)	ΔE = 0.31	Pass
Detergent Resistance	AAMA 2605 (8.7.4)	5B	Pass
Window Cleaner Resistance	AAMA 2605 (8.7.5)	5B	Pass

Please contact the Fairview team for a copy of the full report.

2. WALL SARKING

Vitradual solid aluminium facade system is offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Klima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA [REINFORCED] VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overclad	180 Days	3 months	6 months
Warranty		10 years	12 years	15 years

3. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS [MM]	WIDTH [MM]	LENGTH [MM]	# PIECES PER PACK	AREA PER PACK [M2]
0.75	25	600	1200	12	4.32
1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

4. SUB-FRAMING FOR TESTING COMPLIANCE

In order to ensure compliance and durability, the coil used to produce all Fairview Vitrafix Top Hats is tested in a NATA accredited test lab before being rolled into top hats.

This testing confirms compliance to AS1397.

SAMPLE NO.	METALLIC COATING DESIGNATION	MEASURED SINGLE SPOT TOTAL COATING MASS BOTH SIDES [G/M²]	AS 1397 TABLE 3.1 MIN. COATING MASS REQUIREMENT [G/M²]	MEASURED BASE METAL THICKNESS [MM]	AS/NZS 1365 TABLE 5.1 THICKNESS TOLREANCES [MM]
1	Z275	310	250	1.14	1.15 ± 0.05
2	Z275	310	250	1.15	1.15 ± 0.05
3	Z275	265	250	1.14	1.15 ± 0.05
4	Z275	265	250	1.14	1.15 ± 0.05
5	Z275	255	250	1.14	1.15 ± 0.05
6	Z275	270	250	1.14	1.15 ± 0.05

Note: Coating mass rounded to 5 g/m² , as per AS 1397:2021



Vitrafix 35mm Galvanised Steel Ventilated Top Hat

Report No: 23-1094-A
Report Date: 30 October 2023

Head Office Address:
Unit 1, 15 Pickering Road
Mulgrave VIC 3170

Ph: 03 9560 2759
e: info@melbtest.com.au

TENSILE TEST REPORT

In confidence to the client:

Fairview
18 - 20 Donald Street
Lithgow NSW 2790

Date of Testing: 26 October 2023
Specimen Description: Galvanised Steel Coil Samples
Testing Machine: Insight 300kN MT-3003 Grade A
Strain Device: Epsilon 50mm Extensometer MT-1238 0.001mm

SPECIMEN DETAILS:

Specimen I.D:

	1	2	3	4	5	6
	HR2301 507201	HR2301 507202	HR2301 507203	HR2301 507301	HR2301 507302	HR2301 507303
Thickness: a (mm)	1.14	1.15	1.14	1.14	1.14	1.14
Width: b (mm)	12.27	12.27	12.32	12.34	12.32	12.35
Area: S _o (mm²)	13.99	14.11	14.04	14.07	14.04	14.08
Gauge Length: L _o (mm)	50	50	50	50	50	50
Parallel Length: L _c (mm)	75	75	75	75	75	75

TENSILE PROPERTIES:

Tensile Strength: R _m (MPa)	400	390	360	400	390	400
Lower Yield Stress: R _{el} (MPa)	330	310	305	325	305	320
Post Fracture Elongation: A _{50mm} (%)	32	28	30	30	28	36

TEST COMMENTS:

Tested and reported as a reduced-section samples in accordance with AS 1391-2020 and AS 1397-2021.

Area (S_b) computed on base metal thickness (BMT).

Tensile Strength (R_m) and Lower Yield Stress (R_{el}) results have been rounded to the nearest 10MPa and 5MPa, respectively.

Tensile properties of the tested sample are deemed to comply with AS 1397 Table 2.3, Steel Grade Designation G300.

Tensile Stress (MPa)

38

FAIRVIEW / VITRAFIX / CLADDING SYSTEMS

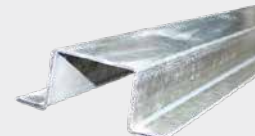
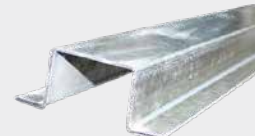
COMMITMENT TO QUALITY, THE ENVIRONMENT AND COMPLIANCE

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VITRADUAL SOLID ALUMINIUM SYSTEM COMPONENT LIST

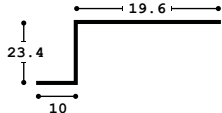
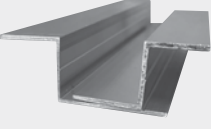
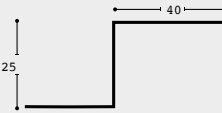
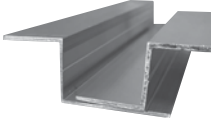
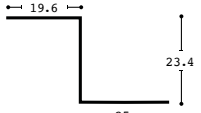
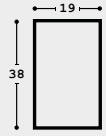
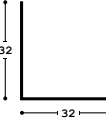
SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY								
	S2535PS	Vitradual Cladding Panel	Prefinished 3mm solid aluminium available in standard and custom panel sizes. <table><tr><td>Width (mm)</td><td>Length (mm)</td></tr><tr><td></td><td>200</td></tr><tr><td>1250/1500</td><td>3200</td></tr><tr><td></td><td>4000</td></tr></table>	Width (mm)	Length (mm)		200	1250/1500	3200		4000	LM
Width (mm)	Length (mm)											
	200											
1250/1500	3200											
	4000											
	T5015S	15mm Steel Top Hat 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1								
	T5015L	15mm Steel Top Hat 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1								
	T5024S	24mm Steel Top Hat 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1								
	T5024L	24mm Steel Top Hat 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1								

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	T5024PS	24mm Steel Top Hat Ventilated 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5024PL	24mm Steel Top Hat Ventilated 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035S	35mm Steel Top Hat 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035L	35mm Steel Top Hat 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PS	35mm Steel Top Hat Ventilated 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PL	35mm Steel Top Hat Ventilated 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	AZ4025L	Aluminium High Z Angle – 5.8m	Used in the construction of cassette, mechanical fix installation method. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	AZ2310L	Aluminium Low Z Angle – 5.8m 	Used in the construction of cassette, mechanical fix installation method. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AZ2540	Long Leg Aluminium Z Angle High - 6m 	Used in the construction of cassette, mechanical fix installation method. NEW - Extended 25mm foot to allow for tape or construction adhesive to be applied to strengthen the cassette fold. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AZ2325	Long Leg Aluminium Z Angle Low - 6m 	Used in the construction of cassette, mechanical fix installation method. NEW - Extended 25mm foot to allow for tape or construction adhesive to be applied to strengthen the cassette fold. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AR3819L	Aluminium Stiffener – 5.8m 	Used to stiffen aluminium panels - attached to the rear of panel Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AL3203	Aluminium Angle – 6m 	Corner reinforcement for cassette system. Grade: 6060/6063 Temper: T5 Thickness: 3mm	2

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VWS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m ² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMS	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

CAULKING

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	CAM41B	Admil Prosil 41LM – Black – 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41W	Admil Prosil 41LM – White - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41G	Admil Prosil 41LM – Grey - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CBR016	Open Cell Backing Rod – 16mm x 150m	Joint filler and sealant backer for cassette installation method.	1 Roll or 20 Rolls

*The use of these accessories needs to be checked for compliance on your project

FIXINGS

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	FW1016	Self Drilling Wafer Tek Phillips 10-16 x 16mm	For fixing Z Angles to Top Hats and attaching Top Hats to framing. Class 3 Galvanised. Box 1000 Pcs.	Box of 1000
	FR48	4.8mm x 11.4mm Pop Rivets	For fixing Z Angles to aluminium facade panels. Box 1000 Pcs.	Box of 1000

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE [M2K/W] ROUNDED TO 0.05	THICKNESS [MM]	DENSITY [KG/ M3]	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

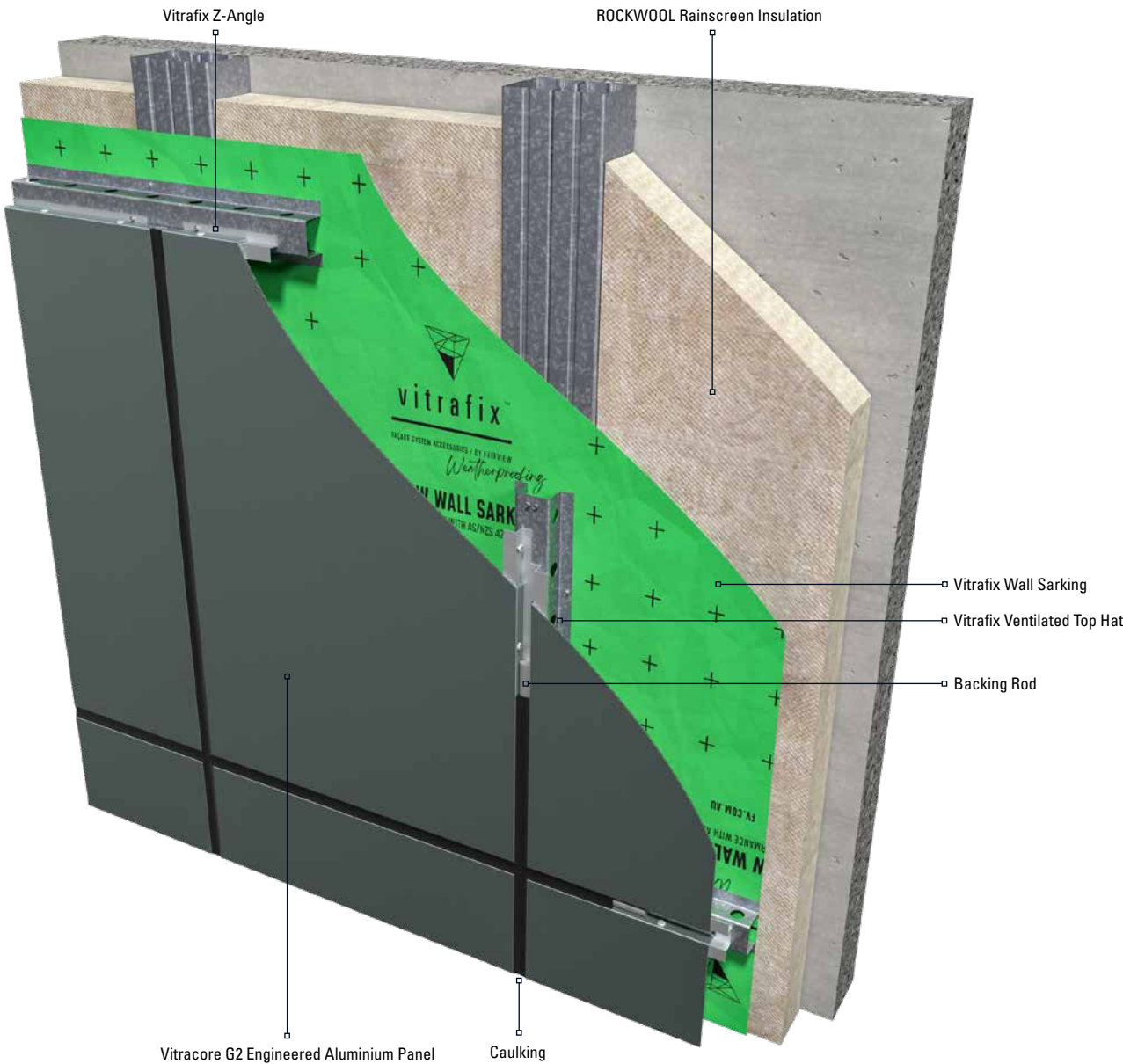
	CODE	PRODUCT	THICKNESS [MM]	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

VITRACORE G2 ENGINEERED ALUMINIUM FACADE SYSTEM

Vitracore G2 is an engineered aluminium panel designed for high performance as a facade material, that is half the weight, 5x more rigid and has 70% greater resistance to oil canning than its solid panel counterparts.

Vitracore G2 is offered as a fully integrated cladding system that has been rigorously tested and is CodeMark certified as a tested system. Fairview offers a comprehensive range of sub-framing components designed to seamlessly integrate with the Vitracore G2 cladding system, ensuring full compliance with building codes and the rigorous testing that Vitracore G2 has undergone. These sub-framing components are engineered to support the structural integrity of the cladding while providing a reliable foundation that enhances the overall performance of the system.



VITRACORE G2 TESTING AND COMPLIANCE

Fairview's Vitracore G2 engineered aluminium cladding system has been intensively tested to ensure durability, strength and compliance to the Building Code of Australia. The following testing and compliance assessments have been completed for Vitracore G2:

TEST STANDARD	RESULT		
AS 1530.1	Non-Combustible		
AS 1530.3	Pass	Ignitability Index	0
	Pass	Heat Evolved	0
	Pass	Spread of Flame	0
	Pass	Smoke Developed	1

1. COATING DURABILITY

AAMA2605 test is conducted to evaluate the durability and performance of architectural coatings, particularly on aluminium and metal products exposed to outdoor environments.

This test simulates long-term exposure to harsh conditions such as UV radiation, temperature fluctuations, humidity and pollutants, ensuring the coating maintains its aesthetic appearance and protective properties over time. AAMA2605 testing is fundamental to demonstrating long term resistance to fading, chalking and corrosion.

Fairview's Vitracore G2 has undergone testing to AAMA2605, ensuring a durable facade with long term visual appeal and structural integrity.



TEST ITEMS, METHODS AND RESULTS

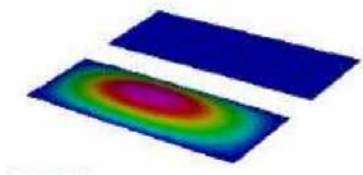
AAMA2605-17 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminium Extrusions and Panels.

CLASSIFICATION	TEST STANDARD	RESULT	COMMENTS
Colour Uniformity	ASTM D2244-16	ΔE = 0.03	Pass
Specular Gloss	ASTM D523-14	G 34.4	Pass
Dry Film Hardness	ASTM D3363-05 (R2011)e2	2H	Pass
Film Adhesion	ASTM D3359-17	Dry: 5B Wet: 5B Boiling Water: 5B	Pass
Impact Resistance	AAMA 2605 (8.5)	There was a crack at the perimeter of the concave area, but no coating pick off	Pass
Abrasion Resistance	ASTM D968-17A	146	Pass
Muriatic Acid Resistance (15min spot)	AAMA 2605 (8.7.1)	5B	Pass
Mortar Resistance (24hr pat test)	AAMA 2605 (8.7.2)	5B	Pass
Nitric Acid Resistance	AAMA 2605 (8.7.3)	ΔE = 0.15	Pass
Detergent Resistance	AAMA 2605 (8.7.4)	5B	Pass
Window Cleaner Resistance	AAMA 2605 (8.7.5)	5B	Pass

Please contact the Fairview team for a copy of the full report.

2. ENGINEERED FOR STRENGTH

Vitracore G2 is a bonded laminate panel that has been engineered to be lightweight, stronger and able to resist the effects of oil canning. Independent FEA analysis has shown that the Vitracore G2 offers 70% greater resistance to oil canning. Contact your Fairview representative for the FEA report.



3. WALL SARKING

Vitracore G2 aluminium facade system is offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Clima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA [REINFORCED] VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overclad	180 Days	3 months	6 months
Warranty		10 years	12 years	15 years

4. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	# PIECES PER PACK	AREA PER PACK [M2]
0.75	25	600	1200	12	4.32
1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

5. SUB-FRAMING TESTING FOR COMPLIANCE

In order to ensure compliance and durability, the coil used to produce all Fairview Vitrafix Top Hats is tested in a NATA accredited test lab before being rolled into top hats.

This testing confirms compliance to AS1397.

SAMPLE NO.	METALLIC COATING DESIGNATION	MEASURED SINGLE SPOT TOTAL COATING MASS BOTH SIDES [G/M²]	AS 1397 TABLE 3.1 MIN. COATING MASS REQUIREMENT [G/M²]	MEASURED BASE METAL THICKNESS [MM]	AS/NZS 1365 TABLE 5.1 THICKNESS TOLREANCES [MM]
1	Z275	310	250	1.14	1.15 ± 0.05
2	Z275	310	250	1.15	1.15 ± 0.05
3	Z275	265	250	1.14	1.15 ± 0.05
4	Z275	265	250	1.14	1.15 ± 0.05
5	Z275	255	250	1.14	1.15 ± 0.05
6	Z275	270	250	1.14	1.15 ± 0.05

Note: Coating mass rounded to 5 g/m² , as per AS 1397:2021



Vitrafix 35mm Galvanised Steel Ventilated Top Hat

Report No: 23-1094-A
Report Date: 30 October 2023

Head Office Address:
Unit 1, 15 Pickering Road
Mulgrave VIC 3170

Ph: 03 9560 2759
e: info@melbtest.com.au

TENSILE TEST REPORT
In confidence to the client:
Fairview
18 - 20 Donald Street
Lithgow NSW 2790

Date of Testing: 26 October 2023
Specimen Description Galvanised Steel Coil Samples
Testing Machine: Insight 300kN MT-3003 Grade A
Strain Device: Epsilon 50mm Extensometer MT-1238 0.001mm

SPECIMEN DETAILS:
Specimen I.D:
Thickness: *a* (mm)
Width: *b* (mm)
Area: *S_o* (mm²)
Gauge Length: *L_o* (mm)
Parallel Length: *L_c* (mm)

	1	2	3	4	5	6
	HR2301 507201	HR2301 507202	HR2301 507203	HR2301 507301	HR2301 507302	HR2301 507303
Thickness:	1.14	1.15	1.14	1.14	1.14	1.14
Width:	12.27	12.27	12.32	12.34	12.32	12.35
Area:	13.99	14.11	14.04	14.07	14.04	14.08
Gauge Length:	50	50	50	50	50	50
Parallel Length:	75	75	75	75	75	75

TENSILE PROPERTIES:
Tensile Strength: *R_m* (MPa)
Lower Yield Stress: *R_{0.2}* (MPa)
Post Fracture Elongation: *A_{50mm}* (%)

400	390	360	400	390	400
330	310	305	325	305	320
32	28	30	30	28	36

TEST COMMENTS:
Tested and reported as a reduced-section samples in accordance with AS 1391-2020 and AS 1397-2021.

Area (*S_o*) computed on base metal thickness (BMT).

Tensile Strength (*R_m*) and Lower Yield Stress (*R_{0.2}*) results have been rounded to the nearest 10MPa and 5MPa, respectively.

Tensile properties of the tested sample are deemed to comply with AS 1397 Table 2.3, Steel Grade Designation G300.

Authorised Signatory:
Dan Humfrey

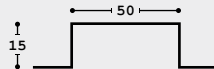
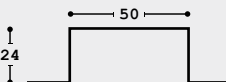
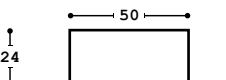
COMMITMENT TO QUALITY, THE ENVIRONMENT AND COMPLIANCE

The Vitracore G2 aluminium cladding range has been engineered for quality, durability, environmental stewardship and compliance to local building requirements. This is evidenced by the industry-leading warranties, independent compliance certification and environmental credentials held by Vitracore G2, making it the right choice for Australian designs.



VITRACORE G2 ENGINEERED ALUMINIUM SYSTEM COMPONENT LIST

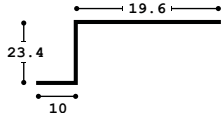
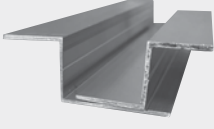
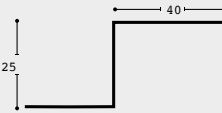
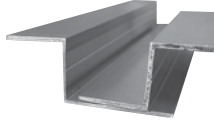
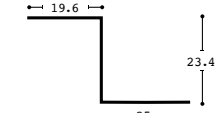
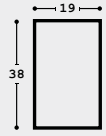
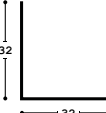
SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY				
	S2535PS	Vitradual Cladding Panel	Engineered aluminium available in standard and custom panel sizes. <table><tr><td>Width (mm)</td><td>Length (mm)</td></tr><tr><td>1250/1500</td><td>3200 4000</td></tr></table>	Width (mm)	Length (mm)	1250/1500	3200 4000	LM
Width (mm)	Length (mm)							
1250/1500	3200 4000							
	T5015S	15mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1				
	T5015L	15mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1				
	T5024S	24mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1				
	T5024L	24mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1				

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	T5024PS	24mm Steel Top Hat Ventilated 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5024PL	24mm Steel Top Hat Ventilated 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035S	35mm Steel Top Hat 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035L	35mm Steel Top Hat 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PS	35mm Steel Top Hat Ventilated 2.9m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PL	35mm Steel Top Hat Ventilated 5.8m	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	AZ4025L	Aluminium High Z Angle – 5.8m	Used in the construction of cassette, mechanical fix installation method. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	AZ2310L	Aluminium Low Z Angle – 5.8m 	Used in the construction of cassette, mechanical fix installation method. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AZ2540	Long Leg Aluminium Z Angle High - 6m 	Used in the construction of cassette, mechanical fix installation method. NEW - Extended 25mm foot to allow for tape or construction adhesive to be applied to strengthen the cassette fold. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AZ2325	Long Leg Aluminium Z Angle Low - 6m 	Used in the construction of cassette, mechanical fix installation method. NEW - Extended 25mm foot to allow for tape or construction adhesive to be applied to strengthen the cassette fold. Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AR3819L	Aluminium Stiffener – 5.8m 	Used to stiffen aluminium panels - attached to the rear of panel Grade: 6060/6063 Temper: T5 Thickness: 1.6mm	1
	AL3203	Aluminium Angle – 6m 	Corner reinforcement for cassette system. Grade: 6060/6063 Temper: T5 Thickness: 3mm	2

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VWS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m ² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMS	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

CAULKING

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	CAM41B	Admil Prosil 41LM – Black – 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41W	Admil Prosil 41LM – White - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41G	Admil Prosil 41LM – Grey - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CBR016	Open Cell Backing Rod – 16mm x 150m	Joint filler and sealant backer for cassette installation method.	1 Roll or 20 Rolls

*The use of these accessories needs to be checked for compliance on your project

FIXINGS

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	FW1016	Self Drilling Wafer Tek Phillips 10-16 x 16mm	For fixing Z Angles to Top Hats and attaching Top Hats to framing. Class 3 Galvanised. Box 1000 Pcs.	Box of 1000
	FR48	4.8mm x 11.4mm Pop Rivets	For fixing Z Angles to aluminium facade panels. Box 1000 Pcs.	Box of 1000

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE [M2K/W] ROUNDED TO 0.05	THICKNESS [MM]	DENSITY [KG/ M3]	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

	CODE	PRODUCT	THICKNESS [MM]	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

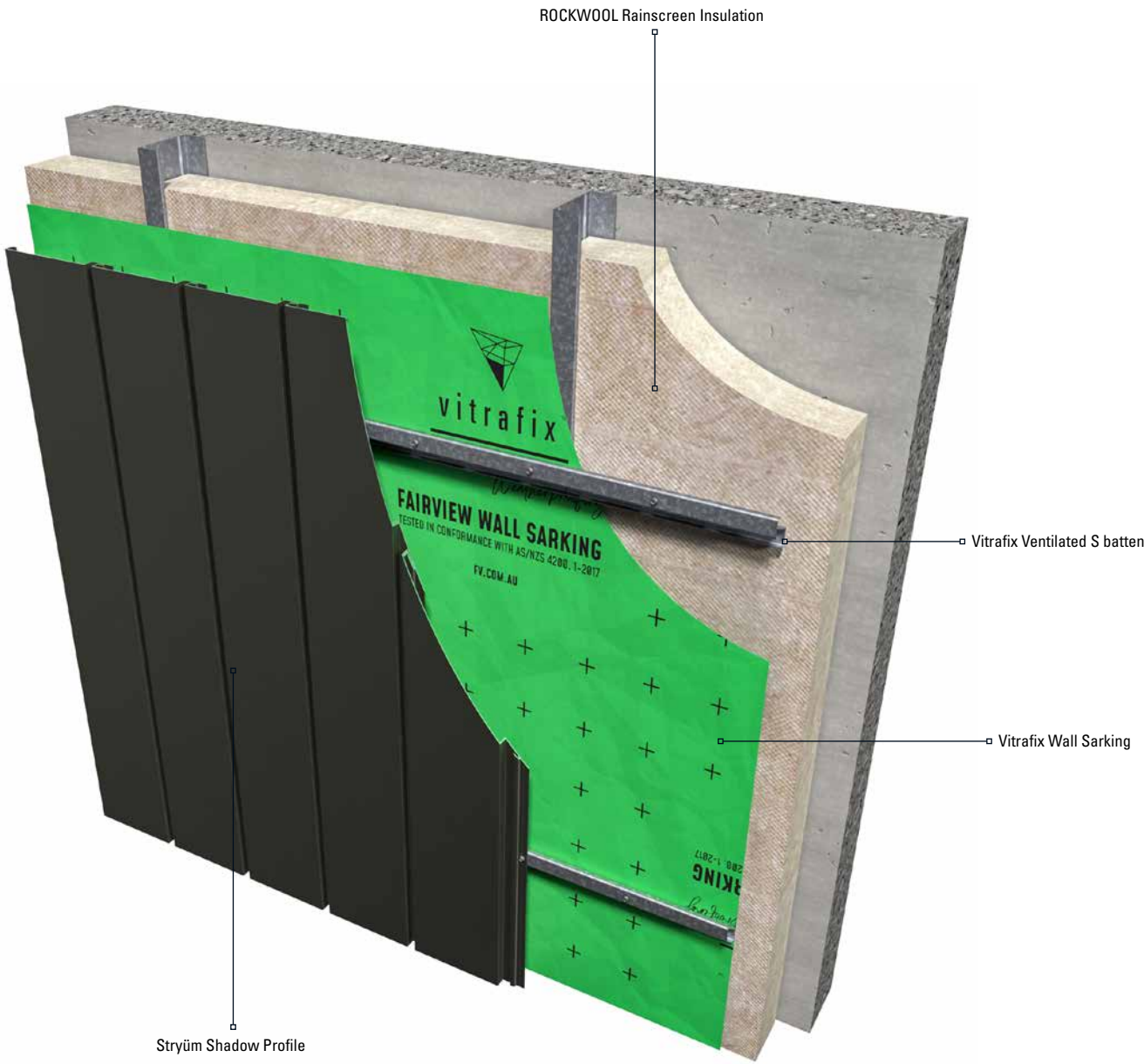
OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

STRYÜM SOLID ALUMINIUM INTERLOCKING FACADE SYSTEM

Stryüm is a premium and versatile interlocking aluminium facade system, engineered to provide exceptional performance and aesthetic flexibility. This innovative facade solution has been rigorously tested as a complete system, meeting and exceeding local building regulations and standards. Backed by CodeMark certification, Stryüm assures architects and builders that it is a trusted, high-quality solution for a variety of architectural projects.

All Stryüm profiles are made of solid aluminium moulded to form the interlocking panels. The NCC 2022 C2D10 6(e) highlights the use of prefinished cladding for which Stryüm is compliant, having been fully tested as required to AS1530.1, AS1530.3 and AS4284.

In addition to its robust design, Stryüm is offered in a wide range of premium solid colours, allowing for customisation to suit any architectural vision. The system is also offered with woodgrain finishes featuring a powder-on-powder coating process, utilising the advanced Ezy HD2 coating technology. This high performance coating provides superior resistance to weathering, UV degradation and mechanical wear, ensuring the facade maintains its visual appeal and structural integrity for years to come. With the Stryüm system, you can trust that you’re investing in a facade solution that delivers exceptional quality, durability and an enduring aesthetic appeal.



STRYÜM TESTING AND COMPLIANCE

Fairview's Stryüm interlocking solid aluminium facade system has been intensively tested to ensure durability, strength and compliance to the Building Code of Australia. The following testing and compliance assessments have been completed for Stryüm:

AUSTRALIAN TEST STANDARD	TEST NAME
AS 15030.1	Combustibility Test for Materials
AS 1530.3	Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release
AS 3939	Bushfire Compliance Assessment
AS 1170.0	Structural Design Actions – Part 0: General Principles
AS 1170.1	Structural Design Actions – Part 1: Permanent, Imposed and Other Actions
AS 1170.2	Structural Design Actions – Part 2: Wind Actions
AS 1562.1	Design and Installation of Sheet Roof and Wall Cladding – Part 1: Metal
AS 1664.1	Aluminium Structures – Part 1: Limit State Design
AS 4284	Testing of Building Facades
AS 4600	Cold-formed Steel Structures
AS 4040.3	Wind Loads for Cyclone Regions Tests

1. CYCLONIC WING LOAD TESTING

Stryüm has been rigorously tested to withstand extreme wind loads in cyclonic regions (AS4040.3-1992 Wind Loads for Cyclone Regions Tests), showcasing its remarkable strength and durability. Designed to endure the intense pressures generated by high-velocity winds, Stryüm has undergone a series of simulations that replicate the severe conditions experienced during cyclones. These tests confirm that Stryüm can resist wind forces far beyond typical building materials, maintaining its structural integrity even under the most challenging conditions.

Serviceability Limit State Pressure (P_s): 2.18 kPa.
Ultimate Limit State Pressure (P_u): -7.96 kPa.

*Contact the Fairview team for a copy of the full report.

2. QUALITY COATING FOR A DURABLE LASTING FINISH

Stryüm interlocking solid aluminium facade panels are offered in solid or woodgrain colours. The range of solid colours are made using quality powders from Dulux and Interpon, ensuring a long-lasting finish that will maintain its aesthetic appeal for many years.

The range of woodgrain finishes are made using the unique ezy HD2 finish that achieves a realistic natural wood effect coating using a powder on powder process. The result achieves a high-definition wood grain effect with a highly durable finish. This ensures confidence behind the 15-year warranty offered by Fairview.



3. WALL SARKING

Stryüm interlocking solid aluminium facade system is offered with the Fairview Vitrafix range of weatherproof membranes. Vitrafix Wall Sarking, Vitrafix Wall Sarking Ultra and Pro Clima Solitex Extasana have been tested to ensure compliance to the Building Code of Australia requirements.

BREATHABLE MEMBRANES DATA

		PROCLIMA SOLITEX EXTASANA	FAIRVIEW WALL SARKING VWS50	FAIRVIEW WALL SARKING ULTRA [REINFORCED] VWSU30
AS/NZS 4201.1-1994	Resistance to Dry Delamination	N/A	Pass	Pass
AS/NZS 4201.2-1994	Resistance to Wet Delamination	N/A	Pass	Pass
AS/NZS 4201.3-1994	Shrinkage	0.00%	0.002	0.002
AS1301.448s-2019	Tensile Strength - Mean (MD)	4.8 kN/m	4.3 kN/m	7.9 kN/m
	Tensile Strength - Mean (LD)	3.7 kN/m	2.7 kN/m	8.7 kN/m
ASNZS 4200.1-2017 Clause 5.3.2.3	Edge Tear Resistance - Mean (MD)	251N	210N	419 N
	Edge Tear Resistance - Mean (LD)	188N	140N	388 N
AS2001.2.19-1988	Bursting Force - Mean	>200N	258N	522N
AS/NZS 4201.5.1994	Emittance	NN	Non-Reflective	Non-Reflective
ASTM E96-2016	Water Vapour Transmission	Class 4	Class 4	Class 4
AS/NZS 4201.4-1994	Resistance to Water Penetration	Water Barrier (Pass)	Water Barrier (Pass)	Water Barrier (Pass)
AS/NZS 3100-2017	Surface Resistivity	Electrically Non-Cond.	Electrically Non-Cond.	Electrically Non-Cond.
AS 1530.2-1993	Flammability Index	<5	1 (Low)	4 (Low)
Thickness	Nominal Thickness	0.60mm	0.50mm	0.70mm
UV Resistance	Prior to being overclad	180 Days	3 months	6 months
Warranty		10 years	12 years	15 years

4. ROCKWOOL INSULATION

ROCKWOOL Rainscreen is a stone wool insulation developed specifically for use within ventilated cladding systems. Fairview has selected a range of ROCKWOOL insulation products to suit most building applications. This includes:



ROCKWOOL RAINSCREEN SL950/SL960 PRODUCT SPECIFICATION

R-VALUE M2K/W	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	# PIECES PER PACK	AREA PER PACK (M2)
0.75	25	600	1200	12	4.32
1.45	50	600	1200	6	4.32
2.20	75	600	1200	4	2.16
2.95	100	600	1200	3	2.16

5. SUB-FRAMING TESTING FOR COMPLIANCE

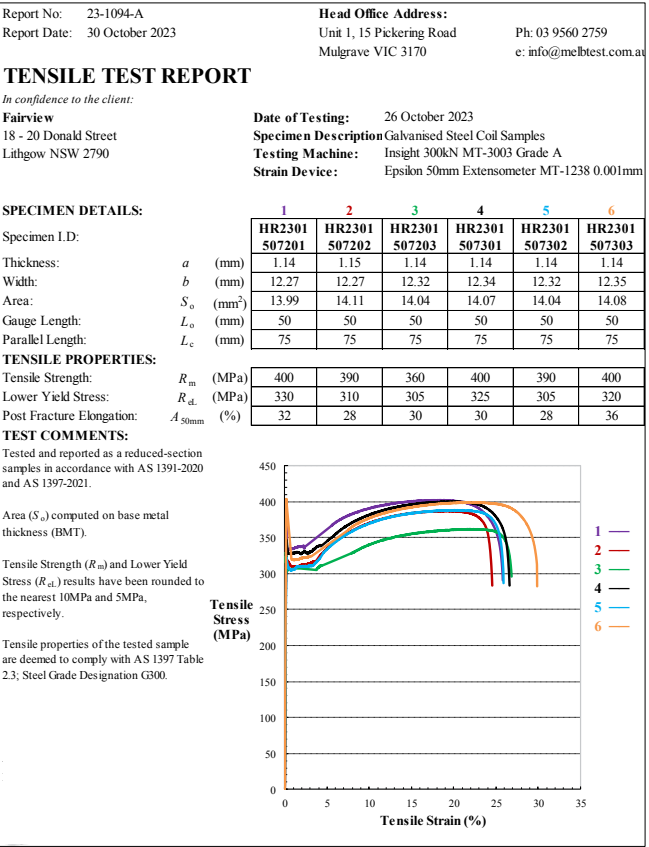
In order to ensure compliance and durability, the coil used to produce all Fairview Vitrafix Top Hats is tested in a NATA accredited test lab before being rolled into top hats. This testing confirms compliance to AS1397.

SAMPLE NO.	METALLIC COATING DESIGNATION	MEASURED SINGLE SPOT TOTAL COATING MASS BOTH SIDES [G/M²]	AS 1397 TABLE 3.1 MIN. COATING MASS REQUIREMENT [G/M²]	MEASURED BASE METAL THICKNESS [MM]	AS/NZS 1365 TABLE 5.1 THICKNESS TOLREANCES [MM]
1	Z275	310	250	1.14	1.15 ± 0.05
2	Z275	310	250	1.15	1.15 ± 0.05
3	Z275	265	250	1.14	1.15 ± 0.05
4	Z275	265	250	1.14	1.15 ± 0.05
5	Z275	255	250	1.14	1.15 ± 0.05
6	Z275	270	250	1.14	1.15 ± 0.05

Note: Coating mass rounded to 5 g/m² , as per AS 1397:2021

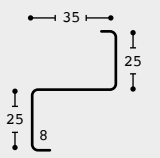
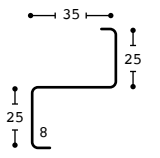
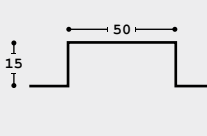
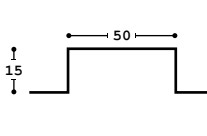
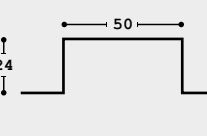


Vitrafix 35mm Galvanised Steel Ventilated S Batten

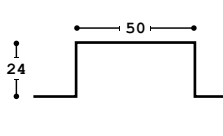
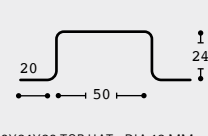
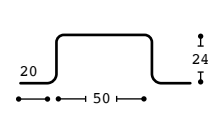
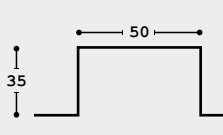
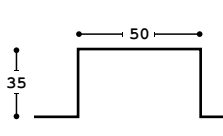
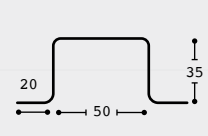
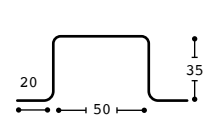


STRYÜM SOLID ALUMINIUM INTERLOCKING FACADE SYSTEM COMPONENT LIST

SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
		Stryüm Interlocking Cladding Panel	Solid aluminium interlocking panels available in 10 profiles, each with a standard length of 6.5m and varying thicknesses from 1.8mm to 3.5mm. Custom sizes and profiles are available upon request, subject to MOQs.	LM
	S2535PS	35mm Steel S Batten Ventilated 2.9m 	S Batten serves as a steel substrate for the Stryüm panels. The new S Batten perforated side wall keeps cavity ventilated and prevents moisture pooling in horizontal application. Linear Panel Grade: G550 Thickness: 1.15 BMT Coating: Z275	1
	S2535PL	35mm Steel S Batten Ventilated 5.8m 	S Batten serves as a steel substrate for the Stryüm panels. The new S Batten perforated side wall keeps cavity ventilated and prevents moisture pooling in horizontal application. Linear Panel Grade: G550 Thickness: 1.15 BMT Coating: Z275	1
	T5015S	15mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5015L	15mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5024S	24mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1

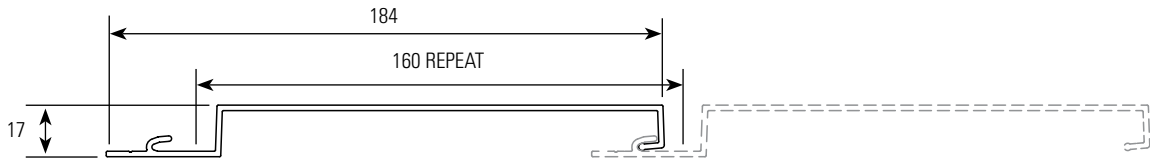
SUB-FRAMING ACCESSORIES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	T5024L	24mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5024PS	24mm Steel Top Hat Ventilated 2.9m  50X24X20 TOP HAT - DIA 12 MM WITH 44 PITCH	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5024PL	24mm Steel Top Hat Ventilated 5.8m  50X24X20 TOP HAT - DIA 12 MM WITH 44 PITCH	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035S	35mm Steel Top Hat 2.9m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035L	35mm Steel Top Hat 5.8m 	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PS	35mm Steel Top Hat Ventilated 2.9m  50X35X20 TOP HAT - DIA 20 MM WITH 72 PITCH	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1
	T5035PL	35mm Steel Top Hat Ventilated 5.8m  50X35X20 TOP HAT - DIA 20 MM WITH 72 PITCH	Galvanised Top Hat used as cladding substrate. Grade: G2 Steel Coating: Z 275 Thickness: 1.15BMT	1

*For projects in cyclonic areas, please contact a FV product specialist.

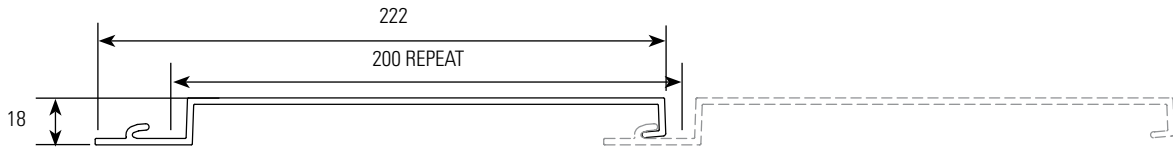
STRYÜM PROFILES

SHADOW 160 - SH160



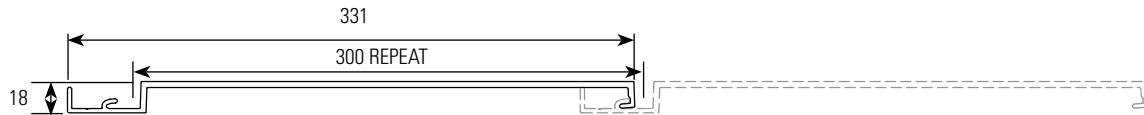
Thickness: 1.8mm Weight: 6.9kg/m² Length: 6.5m Effective Cover: 160mm per panel

SHADOW 200 - SH200



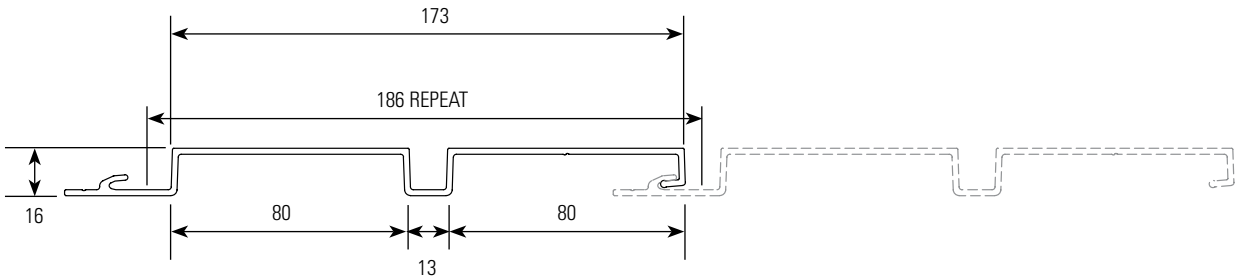
Thickness: 2.5mm Weight: 8.82kg/m² Length: 6.5m Effective Cover: 200mm per panel

SHADOW 300 - SH300



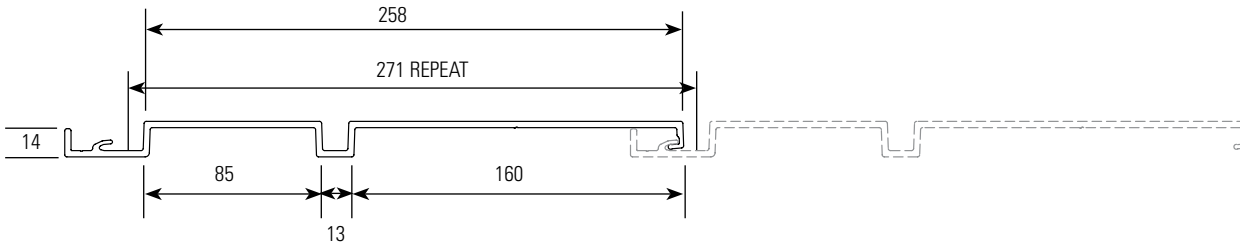
Thickness: 3.5mm Weight: 11.29kg/m² Length: 6.5m Effective Cover: 300mm per panel

SHADOW 90/90 - SH90/90



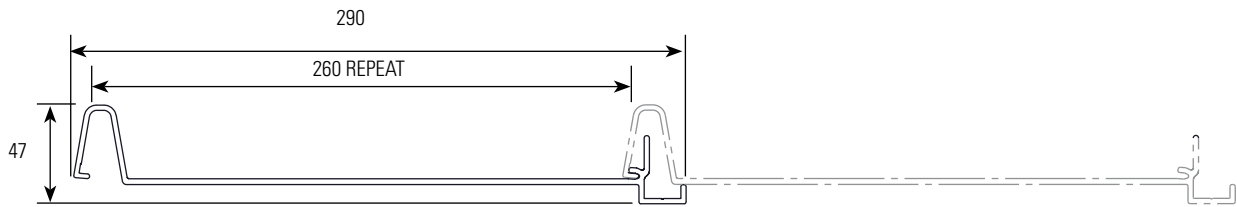
Thickness: 2mm Weight: 8.11kg/m² Length: 6.5m Effective Cover: 186.1mm per panel

SHADOW 170/95 - SH170/95



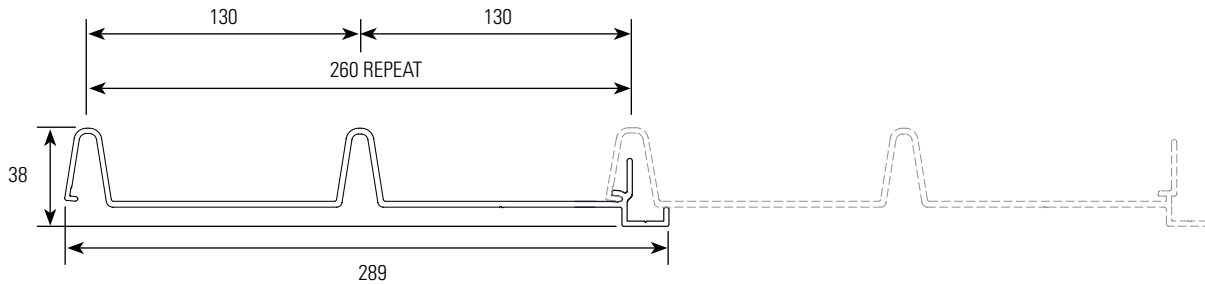
Thickness: 3mm Weight: 10.94kg/m² Length: 6.5m Effective Cover: 271.1mm per panel

SEAM 260 - SE260



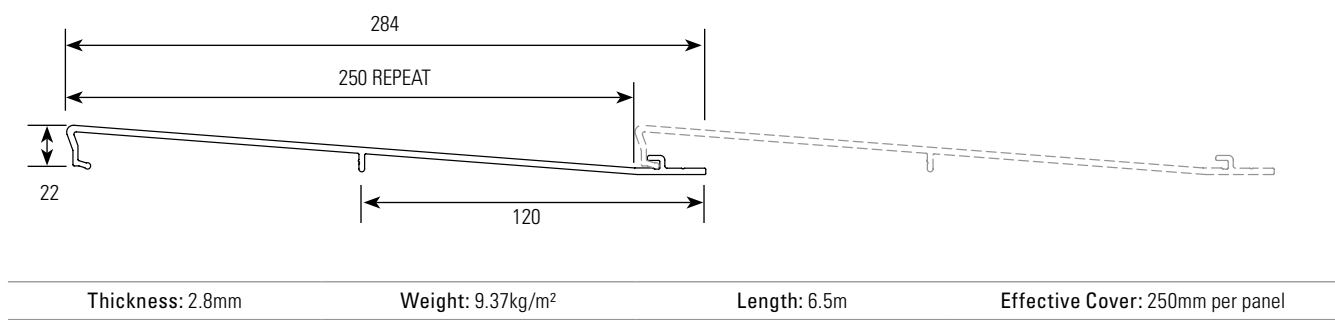
Thickness: 2.8mm Weight: 10.87kg/m² Length: 6.5m Effective Cover: 260mm per panel

SEAM 130/130 - SE130/130



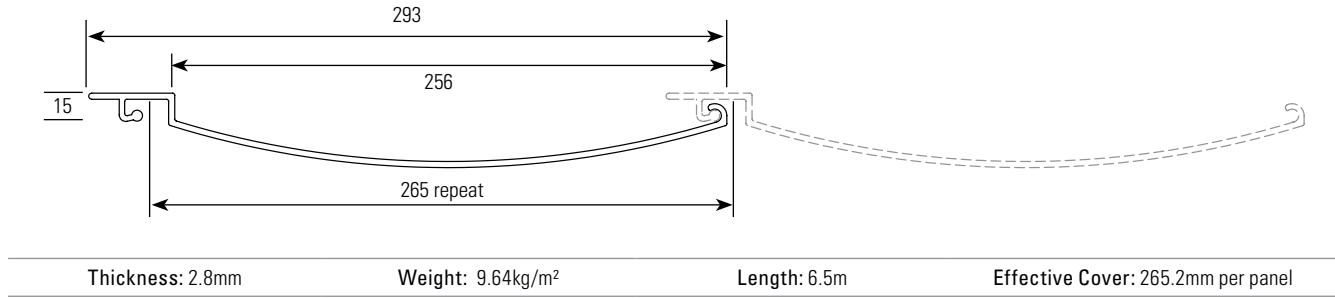
Thickness: 2.8mm Weight: 12.69kg/m² Length: 6.5m Effective Cover: 260mm per panel

STEP 250 - ST250

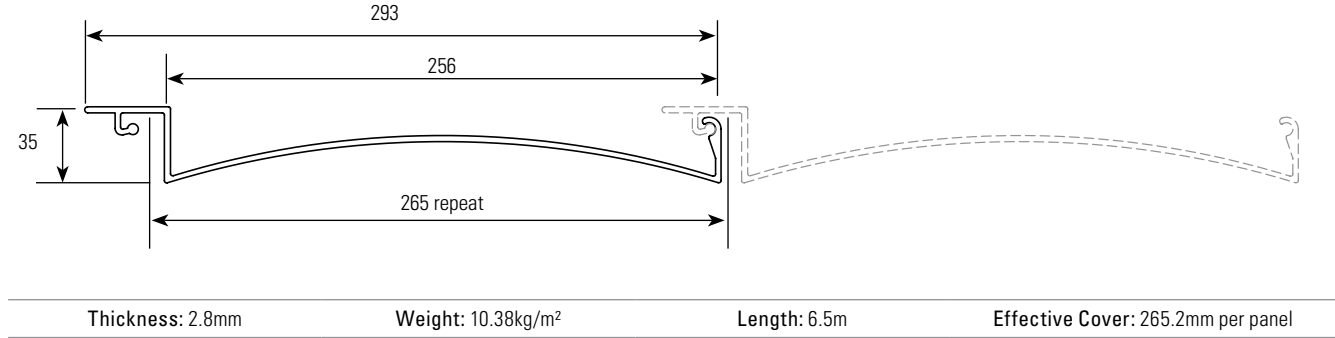


SPECIAL ORDER PROFILES

CONVEX 270



CONCAVE 270

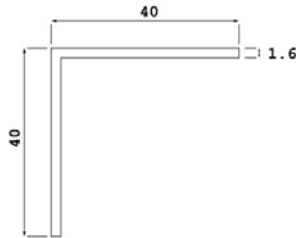
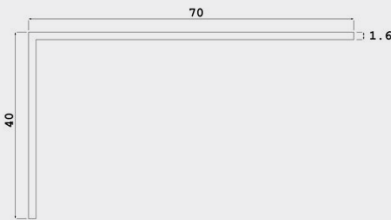
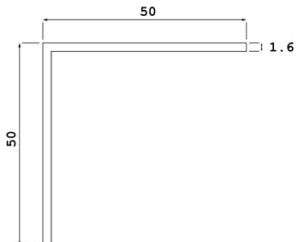
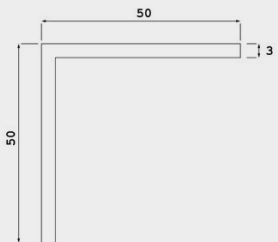
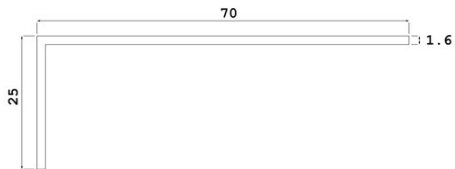
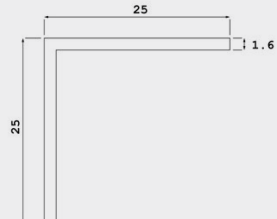


PLEASE CONTACT FAIRVIEW FOR AVAILABLE TRIMS AND COLOURS FOR SPECIAL ORDER PROFILES, AS WELL AS COMPLIANCE INFORMATION.

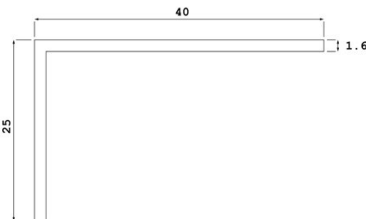
UNIVERSAL TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Stop End (Two-Piece)			All profiles
Stop End Male	TRM0201a		All profiles
Stop End Female	TRM0201b	TRM0201b will be supplied in a mill finish as standard. Please contact the Fairview team if a powder coat finish is required.	All profiles
20x20x1.6 Angle	TRM0501		All profiles
20x40x1.6 Angle	TRM0502		All profiles
20x70x1.6 Angle	TRM0503		All profiles

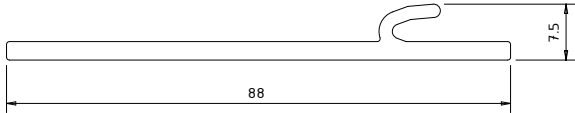
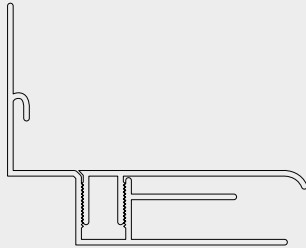
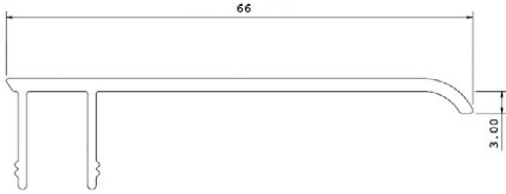
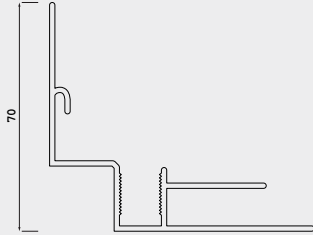
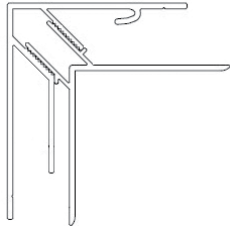
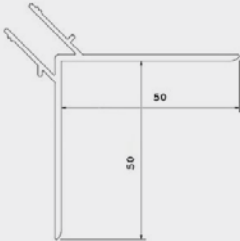
UNIVERSAL TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
40x40x1.6 Angle	TRM0504		All profiles
40x70x1.6 Angle	TRM0505		All profiles
50x50x1.6 Angle	TRM0506		All profiles
50x50x3 Angle	TRM0507		All profiles
25x70x1.6 Angle	TRM0508		All profiles
25x25x1.6 Angle	TRM0509		All profiles

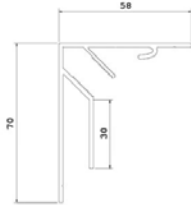
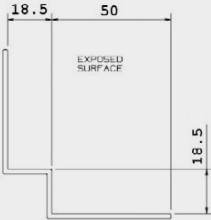
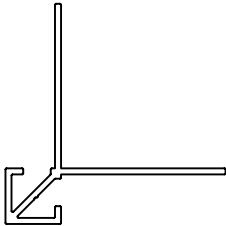
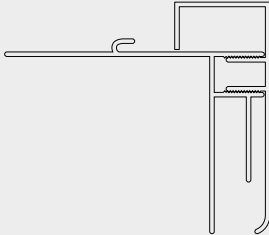
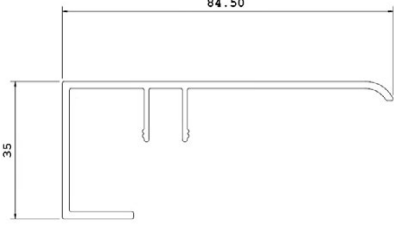
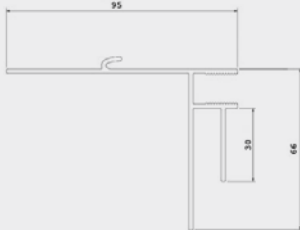
UNIVERSAL TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
25x40x1.6 Angle	TRM0510		All profiles
50x125x3 Angle	TRM0511		All profiles

SHADOW TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Shadow Starter Strip	TRM1101		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical Internal Shadowline Corner (Two-Piece)			Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical Internal Shadowline Corner (Male)	TRM1301a		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical Internal Shadowline Corner (Female)	TRM1301b		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical Internal Cap Corner (Two-Piece)			Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical Internal Cap Corner (Male)	TRM1302a		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95

SHADOW TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Shadow Vertical Internal Cap Corner (Female)	TRM1302b	 TRM1302b will be supplied in a mill finish as standard. Please contact the Fairview team if a powder coat finish is required.	Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow W Section	TRM1303		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Box External Corner	TRM1401		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical External Shadowline Corner (Two-Piece)			Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical External Shadowline Corner (Male)	TRM1403a		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical External Shadowline Corner (Female)	TRM1403b		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95

SHADOW TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Shadow Vertical External Cover Corner (Two-Piece)			Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical External Cover Corner (Male)	TRM1404a		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow Vertical External Cover Corner (Female)	TRM1404b	TRM1404b will be supplied in a mill finish as standard. Please contact the Fairview team if a powder coat finish is required.	Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95
Shadow X Section	TRM1405		Shadow 160 Shadow 200 Shadow 300 Shadow 90/90 Shadow 170/95

SEAM TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Seam Starter Strip	TRM4101		Seam 260 Seam 130/130
Seam Foot Mould	TRM4202		Seam 260 Seam 130/130
Seam W Section	TRM4301		Seam 260 Seam 130/130
Seam External Corner	TRM4401		Seam 260 Seam 130/130

STEP TRIMS

DESCRIPTION	CODE	DIAGRAM	USED ON
Step Starter Strip	TRM5101		Step 250
Step W Section	TRM5301		Step 250
Step X Section	TRM5401		Step 250

MEMBRANES

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	VWS50	Vitrafix Wall Sarking 1500mm x 50m Roll	Vitrafix Wall Sarking is a Class 4 vapour permeable membrane and an effective water barrier. With a 12-year warranty, it can withstand direct UV exposure for up to 3 months.	1 Roll
	VWSU30	Vitrafix Wall Sarking Ultra 1500mm x 30m Roll	Vitrafix Wall Sarking Ultra is a Class 4, heavy duty vapour permeable membrane and an effective water barrier. With a 15-year warranty, it can withstand direct UV exposure for up to 6 months and has superior strength characteristics for high wind zones.	1 Roll
	MSE150	Pro Clima Solitex Extasana Wall Membrane - 150	Pro Clima Solitex Extasana Wall Membrane is a high performance, monolithic nonporous membrane. Can be exposed to the elements for 90 days. 55m² per roll.	1
	VWST25	Vitrafix Sarking Tape 60mm x 25m Roll	Vitrafix Sarking Tape is used for sealing overlapping joints and areas where water ingress may occur.	1 Roll
	VWSTD100	Vitrafix Double Sided Sarking Tape 60mm x 100m	Vitrafix Double Sided Sarking Tape is used to temporarily fix sarking to framing prior to installation of the facade.	1 Roll
	MTE60	Pro Clima Weathertight Sealing Tape – Tescon Extora 60mm	Weathertight Sealing Tape used to seal Pro Clima membrane. Easy to cut, thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	10
	MTEP60	Pro Clima Corner Tape – Tescon Extora Profil 60mm	Split release paper for corner of window/door installations. Thin and flexible, can be applied to cold and wet surfaces, highly UV stabilised.	5
	MTES150	Pro Clima Sill Tape – Tescon Extoseal 150mm	Pro Clima Sill Tape - Tescon Extoseal is a one-piece stretchable sill tape, no need for corner moulds, can be applied to damp surfaces, very high adhesion on cold surfaces, no heating necessary, highly UV stabilised.	2
	VWSEPDMS	Vitrafix EPDM Sleeve – Custom	EPDM Sleeve is used to weatherproof areas where a fixture, such as a pipe etc, penetrates the sarking material. Custom sizes are available, contact the Fairview team with specific size requirements.	Please contact the Fairview team for more details

*The use of these accessories needs to be checked for compliance on your project

CAULKING

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	CAM41B	Admil Prosil 41LM – Black – 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41W	Admil Prosil 41LM – White - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20
	CAM41G	Admil Prosil 41LM – Grey - 600mL Sausage	Low modulus, high movement, matt finish silicone, designed for weather sealing cladding expansion joints. 600ML sausage	20

*The use of these accessories needs to be checked for compliance on your project

FIXINGS

	CODE	NAME	DESCRIPTION	UNIT QUANTITY
	FW1016	Self Drilling Wafer Tek Phillips 10-16 x 16mm	For fixing S Battens to Top Hats and attaching Top Hats to framing. Class 3 Galvanised. Box 1000 Pcs.	Box of 1000
	FR48	4.8mm x 11.4mm Pop Rivets	For fixing the trims to the Stryum aluminium facade panels. Box 1000 Pcs.	Box of 1000

*The use of these accessories needs to be checked for compliance on your project

INSULATION

	CODE	PRODUCT	R-VALUE (M2K/W) ROUNDED TO 0.05	THICKNESS (MM)	DENSITY (KG/ M3)	PACK M2	PACKS/ PALLET
	RSS3502512	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 25mm 12/PAC	0.70	25	60	8.64	12
	RSS350506	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 50mm 6/PAC	1.45	50	60	4.32	12
	RSS350754	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 75mm 4/PAC	2.15	75	60	2.88	12
	RSS3501003	ROCKWOOL™ Safe'n'Silent Pro350 1200 x 600 x 100mm 3/PAC	2.85	100	60	2.16	12
	RRS9502512	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 25mm 12/PAC	0.70	25	80	8.64	12
	RRS950388	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 38mm 8/PAC	1.10	38	80	5.76	12
	RRS950506	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 50mm 6/PAC	1.45	50	80	4.32	12
	RRS950754	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 75mm 4/PAC	2.15	75	80	2.88	12
	RRS9501003	ROCKWOOL™ Rainscreen SL950 1200 x 600 x 100mm 3/PAC	2.85	100	80	2.16	12

INSULATION ACCESSORIES

	CODE	PRODUCT	THICKNESS [MM]	COATING	PACKS/ PALLET
	IPG25500	GalPin 25mm + Washer 60 x 60mm	25.4	GAL Z450	10
	IPG38500	GalPin 38mm + Washer 60 x 60mm	38.1	GAL Z450	10
	IPG50500	GalPin 50mm + Washer 60 x 60mm	50.8	GAL Z450	10
	IPG60500	GalPin 60-64mm + Washer 60 x 60mm	63.5	GAL Z450	10
	IPG70500	GalPin 70-75mm + Washer 60 x 60mm	76.5	GAL Z450	10
	IPG100500	GalPin 100mm + Washer 60 x 60mm	101.6	GAL Z450	10

OTHER SIZES/THICKNESSES ARE AVAILABLE ON REQUEST. PLEASE CONTACT THE FAIRVIEW TEAM FOR MORE INFORMATION

NOTES

[illegible]

AUSTRALIA
NEW ZEALAND
UNITED KINGDOM

SALES ENQUIRIES 1800 007 175

HELPDESK@FV.COM.AU

FV.COM.AU

VITRAFIX / AUGUST 2025