

Sinead Hastie

From: Luke Varley <auto-reply-au1@au.aconex.com>
Sent: Wednesday, 30 March 2022 9:56 AM
To: Sinead Hastie
Subject: BM+G-GCOR-000112: Re: KPS - B4 - External Walls & Finishes
ACNXREF<JZLAwmffKZGAZtBuNhoY4>

When replying, do not delete the content below this line.

You have received a new **General Correspondence: BM+G-GCOR-000112**

Project: Kingscliff Schools
Type: General Correspondence
Mail Number: BM+G-GCOR-000112
To: Mr Jake Hofner, Blackett Maguire + Goldsmith Pty Ltd
Bree Jachin, Blackett Maguire + Goldsmith Pty Ltd
Ms Sinead Hastie, Richard Crookes Constructions Pty Limited
Cc: Mr Ethan Coote, Richard Crookes Constructions Pty Limited
Mr Craig Mann, Richard Crookes Constructions Pty Limited
Mr Richie O'Gorman, Richard Crookes Constructions Pty Limited
From: L Varley, Blackett Maguire + Goldsmith Pty Ltd
Sent: 30/03/2022 10:55:46 AM AEDT (GMT +11:00)
Status: N/A
Subject: Re: KPS - B4 - External Walls & Finishes

Hi Richie,

The data sheet sheets reference test reports for some of the materials, these would need to be submitted as supporting documentation as well.

If available for the the insulation a Code mark certificate/certificate of conformity should be provided in this instance as well.

And on that basis we would be satisfied compliance with SSD Condition B4 has been met.

Regards,

Luke Varley

Building Surveyor



M: 0456 816 778 **T:** 02 9211 7777 **E:** luke@bplusg.com.au **W:** bplusg.com.au



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From: S Hastie
Sent: 18/03/2022 12:14:18 PM AEDT (GMT +11:00)
To: Jake Hofner, Bree Jachin, Luke Varley
Cc: Ethan Coote, Craig Mann, Richie O'Gorman
Mail Number: RCC-RFI-000776
Subject: KPS - B4 - External Walls & Finishes

Morning Luke & Jake,

Please find attached all of the documents providing evidence for the products and systems proposed to use or used in the construction of the external walls including finishes and claddings complying with the requirements of the BCA as per the requirements under Condition B4.

Could you please provide acceptance by Thursday 24th March.

If you need any additional information please let me know.

Thanks,
Sinead Hastie

Contracts Administrator : Richard Crookes Constructions Pty Ltd

Mobile: 0431 384 420

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18 March 2021

Blackett Maguire + Goldsmith
Suite 2, 56 Hudson Street
Hamilton NSW 2303

Attn: Mr. Luke Varley & Jake Hofner

RE: Kingscliff Public School – SSD-8378620 SSDA Condition B4 External Walls & Finishes

Dear Luke & Jake

As the Main Contractor / Builder of the above mentioned project, we are here by confirming the below:

The following Cladding & Façade Systems are being installed at the Kingscliff Public School Project:

- Brick Veneer
- Compressed Fibre Cement sheets on to light weight studwork.
- Aluminium windows
- Prefabricated folded aluminium sun hoods are provided to windows on the Western Elevation on Buildings 2 & 4

The following product data sheets have been provided as part of this submission for your reference confirming as evidence that the products and systems proposed for use of the external walls including finishes and cladding comply with the requirements of the BCA as per Condition B4 of the SSDA (SSD-8378620):

- Austral Brick – Clay Bricks and Clay Pavers Safety Data Sheet
- Cemintel – Test Certificate
- CSR – Safety Data Sheet for Plasterboard, Cornices & Panels
- CSR – Plasterboard Impactchek Product Data Sheet
- CSR – Plasterboard standard 13mm Product Data Sheet
- CSR Bradford - Enviroseal CW Sarking – Product Data Sheet
- CSR Bradford – Gold & Gold High Performance – Product Data Sheet
- Heka Hoods – Sun Hood – Product Brochure

RICHARD CROOKES CONSTRUCTIONS PTY LIMITED



Craig Mann – Project Manager

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name CLAY BRICKS AND CLAY PAVERS
Synonyms AUSTRAL BRICKS CLAY BRICKS AND PAVERS

1.2 Uses and uses advised against

Uses BRICK • PAVER

1.3 Details of the supplier of the product

Supplier name AUSTRAL BRICKS
Address Horsley Park (Head Office), 738-780 Wallgrove Rd, Horsley Park, NSW, 2175, AUSTRALIA
Telephone 13-2742
Email infoNSW@australbricks.com.au
Website www.australbricks.com.au

1.4 Emergency telephone numbers

Emergency 13-2742

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards

The solid product as supplied is classified as non-hazardous under normal conditions and does not present an inhalation, ingestion, skin, or eye hazard. However, dust created when the product is cut, grinded and machined may contain crystalline silica some of which may be respirable (particles small enough to go into deep parts of the lung when breathed in).

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	0.1 to 60%
METAL OXIDE(S)	-	-	1 to 10%
ALUMINO SILICATE	-	-	>10%

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye (Dust exposure) Flush gently with running water, irrigating under eyelids. Seek medical attention if irritation develops.
Inhalation (Dust exposure) If inhaled remove from contaminated area. Apply artificial respiration if not breathing.
Skin (Dust exposure) Gently flush affected areas with water. Seek medical attention if irritation develops.
Ingestion Due to product form and application, ingestion is considered unlikely.

PRODUCT NAME CLAY BRICKS AND CLAY PAVERS

First aid facilities Eye wash facilities and safety shower should be available, particularly when dust is generated.

4.2 Most important symptoms and effects, both acute and delayed

This product may present a hazard if cut or drilled with dust generation. CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis).

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases if strongly heated.

5.3 Advice for firefighters

No fire or explosion hazard exists.

5.4 Hazchem code

None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

If spilt, collect and reuse where possible. Avoid generating dust.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Ensure material is adequately labelled and protected from physical damage. Avoid generating dust.

7.3 Specific end uses

No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Quartz (respirable dust)	SWA [AUS]	--	0.05	--	--
Quartz (respirable dust)	WorkSafe VIC	--	0.05	--	--

Biological limits

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Wet where possible.

PPE

- Eye / Face** If cutting or sanding with potential for dust generation, wear dust-proof goggles.
- Hands** Wear leather or cotton gloves.
- Body** Not required under normal conditions of use.
- Respiratory** If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	COLOURED BRICKS
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

9.2 Other information

Density	1600 kg/m ³ to 2300 kg/m ³
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10. STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible with strong acids (e.g. hydrochloric acid).

10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	This product is expected to be of low toxicity. Ingestion is considered unlikely due to product form.
Skin	Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.
Eye	Mechanical irritant. Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if material is cut, drilled or sanded with dust generation, which may result in mechanical irritation.
Sensitisation	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Not classified as a mutagen.
Carcinogenicity	Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels are not anticipated due to product form. This product may only present a hazard if rocks are cut or drilled with dust generation. Respirable crystalline silica quartz is classified as carcinogenic to humans (IARC Group 1).
Reproductive	Not classified as a reproductive toxin.
STOT - single exposure	Dust can be generated during cutting of the product. Dusts are mechanical irritants that may cause throat irritation.
STOT - repeated exposure	Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels are not anticipated due to the product form. This product may present a hazard if cut or drilled with dust generation. CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis).
Aspiration	Not applicable for solids.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

The substance is inert and there is no evidence of significant toxicity.

12.2 Persistence and degradability

Being inorganic, the substance will not biodegrade.

12.3 Bioaccumulative potential

The substance is inert and will not be absorbed and accumulate in tissues.

12.4 Mobility in soil

No information provided.

12.5 Other adverse effects

The main component/s of this product are not anticipated to cause any adverse effects to plants or animals.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal	Reuse where possible. Dispose of in accordance with local regulations.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None allocated.	None allocated.	None allocated.
14.2 Proper Shipping Name	None allocated.	None allocated.	None allocated.
14.3 Transport hazard class	None allocated.	None allocated.	None allocated.
14.4 Packing Group	None allocated.	None allocated.	None allocated.

PRODUCT NAME CLAY BRICKS AND CLAY PAVERS

14.5 Environmental hazards

Not a Marine Pollutant

14.6 Special precautions for user

Hazchem code None allocated.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Inventory listings **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

PRODUCT NAME CLAY BRICKS AND CLAY PAVERS

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by

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Email: info@rmt.com.au
Web: www.rmtglobal.com

[End of SDS]



Certificate of Conformity

Certification Body:



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Trading as "SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

Address: 680 George St, Sydney, NSW 2000

Website: www.saiglobal.com

Certificate Holder:

CSR Building Products Limited
(Trading as CSR Cemintel)
Triniti 3, 39 Delhi Road,
North Ryde, NSW, 2113, Australia
Phone: 1800 633 826

Website:
<https://www.csr.com.au/About-Us/Contact-Us>

Certificate number: CM20196

THIS TO CERTIFY THAT

CEMINTEL® Commercial ExpressPanel Walling System

Type and/or use of product:

CEMINTEL® Commercial ExpressPanel is an external walling system for residential and commercial buildings. Suitable for use on all building classes where metal top hats can be fixed either to steel stud framing, timber stud framing, or to masonry and concrete substrates.

For Class 2 to Class 9 buildings, CEMINTEL® Commercial ExpressPanel walling system is suitable for only Type C Fire-Resisting Construction when fixed to timber stud framing.

Description of product:

CEMINTEL® Commercial ExpressPanels are 9mm thick, pre-primed, square edged, compressed fibre cement panels. The panels are available in a range of sizes and can be either factory painted or finished onsite.

The wall system components & accessories are detailed in the Cemintel Design and Installation Guide – Commercial ExpressPanel – External Installation dated 03/2020.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2019

	Volume One	Volume Two
Performance Requirement(s)	BP1.1(a) Structural reliability limited to (b)(i)(ii) & (iii) FP1.4 Weatherproofing	P2.1.1(a) Structural stability and resistance limited to (b)(i), (ii), & (iii) P2.2.2 Weatherproofing
Deemed-to-Satisfy Provision(s):	C1.1(b) & Spec C1.1 Clause 3 Fire Resistance – Type A Fire-Resisting Construction (120/120/120, or -/180/180 when used in a system with Fyrchek MR	3.7.1.1(d) General concession — non-combustible materials 3.7.2.4(b)(i) Fire separation of external walls – Construction of external walls (FRL 60/60/60)

SAI Global Certification Services

Heather Mahon
Global Head of Technical Services
SAI Global Assurance

Quintin Kleyn – Unrestricted Building Certifier

Date of issue: 27 March 2020

Date of expiry: 26 March 2023



	C1.9(e)(iv)	plasterboard, refer to the Design and Installation Guide)	3.10.5.0(c)	Construction in bushfire prone areas
	C1.10(a)(ii) & Spec C1.10 Clause 4	General concession — Materials deemed to be non-combustible Fire hazard properties – Wall and ceiling linings		
	G5.1 & G5.2	Construction in bushfire prone areas – (up to and including BAL 40)		
State or territory variation(s):	NSW G5.2	Construction in Bushfire Prone Areas – Protection.	NSW 3.10.5.0	Construction in bushfire prone areas
	QLD G5.1	Construction in Bushfire Prone Areas – Construction Requirements	QLD 3.10.5.0	Construction in bushfire prone areas

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. CEMINTEL® Commercial ExpressPanel Walling System with Fyrchek MR Plasterboard can be used where the required Fire Resistance Levels (FRLs) does not exceed 120/120/120, or -/180/180 as specified in the NCC 2019 BCA Volume One specification C1.1. The installation must be in accordance with the relevant details contained within the System Engineering section of Cemintel Design and Installation Guide – Commercial ExpressPanel – External Installation dated 03/2020 for system No. CSR5874 (FRL 120/120/120) and system No. CSR5349 (120/120/120, or -/180/180)
2. For Class 2 to Class 9 buildings, CEMINTEL® Commercial ExpressPanel Walling System is suitable for only Type C Fire-Resisting Construction when fixed to timber stud framing.
3. For type C Fire-Resisting Construction, CEMINTEL® Commercial ExpressPanel Walling System has not been assessed against the requirements of Specification C1.1 Clause 5.1(c) of a fire wall or an internal wall bounding a sole-occupancy unit or separating adjoining units.
4. CEMINTEL® Commercial ExpressPanel Walling System achieves a Group Number 1 and Smoke Growth Rate Index (SMOGR_{RC} 0.2 m²s²x1000) as determined in accordance with AS 5637.1:2015
5. The following were the only wall wraps assessed against the requirements of C1.9(e)(vi) for sarking-type material:
 - a) Bradford Thermosteal™ Wall Wrap
 - b) Enviroseal ProctorWrap Commercial Wall (CW)
 - c) Enviroseal ProctorWrap Residential Wall (RW)

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10(a) buildings

Certificate of Conformity

6. The following were the only insulations assessed against the requirements of C1.9(a) for non-combustible building elements:
 - a) 75 Gold Batts R1.5 at 8.76kg/m³ density
 - b) 75 Gold Batts R2.0 at 6.3kg/m³ density
 - c) 90 Gold Batts R2.0 at 10.5kg/m³ density
 - d) 90 Gold Batts R2.5 at 21.2kg/m³ density
 - e) 75 Acoustigard R1.7 at 11.0kg/m³ density
 - f) 90 Acoustigard R2.2 at 14.0kg/m³ density
 - g) 90 Acoustigard R2.5 at 20.0kg/m³ density
7. CEMINTEL[®] Commercial ExpressPanel Walling System shall be used for its intended purpose. For further information on limited applications of the product, refer to Cemintel Design and Installation Guide – Commercial ExpressPanel – External Installation dated 03/2020
8. CEMINTEL[®] Commercial ExpressPanel Walling System has been tested for weatherproofing requirements and achieved serviceability limit state wind pressures up to ±2.5kPa water penetration for the cavity system using Cemintel rigid air barrier (typically 6mm thick fibre cement sheet). Construction details and fixing must follow the relevant details contained within the System Engineering section of Cemintel Design and Installation Guide – Commercial ExpressPanel – External Installation dated 03/2020.
9. CEMINTEL[®] Commercial ExpressPanel Walling System has been evaluated for use in all Australian wind zones up to and including N6 and Cyclonic C4 in accordance with AS 4055 and for ultimate wind pressures up to 7.0 kPa under AS 1170.2 including cyclonic zones when fixed to steel framing with Cemintel Rigid Air Barrier.
10. The CEMINTEL[®] Commercial ExpressPanel Walling System is not certified for either energy efficiency or acoustic performance.
11. Site environmental factors such as wind and corrosivity zones need to be considered to determine its suitability for a particular environment.
12. CEMINTEL[®] Commercial ExpressPanel Walling System is suitable for use on buildings constructed in accordance with AS 3959:2018 that are have a Bushfire Fire Attack Level up to and including BAL 40
13. All flashing including inter-storey junction must be metal flashing.

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

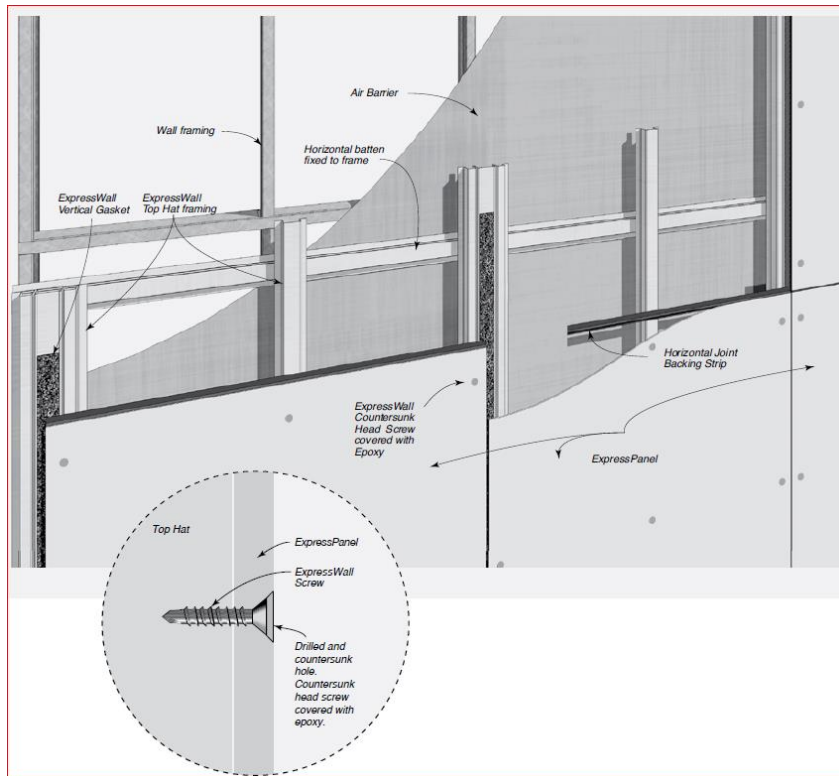
APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

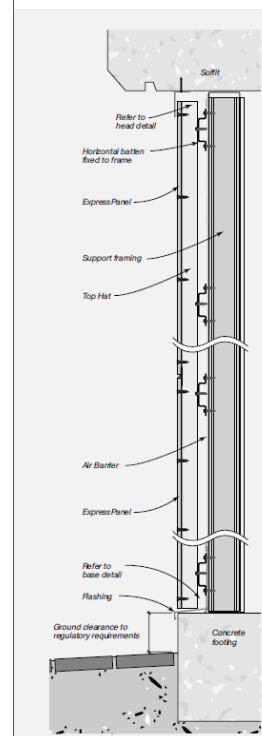
Refer to Page 1 of this certificate.

A2 Description of product

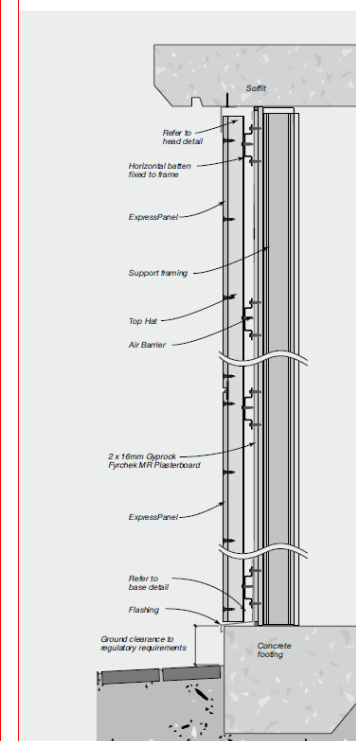
Refer to Page 1 of this certificate and the below diagrams.



Typical Commercial ExpressPanel System Cross Section for Steel Framing



Typical Commercial ExpressPanel External Fire Rated installation. Pressure Equalised Ventilated Cavity System



A3 Product specification

Below are some physical properties of fibre cement and system specifications

Product Specifications			
Property	Specification	Manufacturing Tolerance	Relevant Standard
Panel Width	900 and 1200mm	+ 0 / - 2.0mm	AS 2908.2
Panel Length	1800,2100,2400,2700 and 3000mm	+ 0 / - 2.0mm	AS 2908.2
Panel Thickness	9mm	+ 0.45 / - 0mm	AS 2908.2
Panel Weight (EMC)	17.8kg/m ²	NA	AS 2908.2

System Solutions		
Fire Resistance Level (FRL)	Up to 120/120/120, -/180/180 when used in a system with Gyprock fire grade plasterboard	Refer to System Engineering section or the "The Red Book™"
Bushfire Construction	BAL 40 (Construction for Bushfire Attack Level 40 for an external wall)	AS 3959 – 8
Weatherproofing	Suitable for a serviceability wind pressure of +2.50 kPa when installed as a pressure equalised system.	AS 4284
Wind actions (including Cyclonic)	Suitable for ultimate wind loads up to 7.0 kPa with Cemintel Rigid Air Barrier, including cyclonic conditions, and up to 2.5 kPa with Enviroseal ProctorWrap CW-IT	AS 4040.3

A4 Manufacturer and manufacturing plant(s)

A5 Installation requirements

Refer to Page 3 of this certificate and the following:

1. Cemintel Design and Installation Guide – Commercial ExpressPanel – External Installation dated 03/2020

A6 Other relevant technical data

- Technical Datasheets for Bradford Thermosteel™ Wall Wrap, Enviroseal ProctorWrap (CW) Wall Wrap, and Enviroseal ProctorWrap (RW) Wall Wrap with nominal thickness <1.0mm for all three products.
- Technical Datasheet for Bradford Acoustigard partition rolls

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the NCC 2019 BCA Volumes 1 and 2. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

1. **Structural assessment:**
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) & (e) – A report issued by an Accredited testing Laboratory – Cyclone Testing Station, James Cook University (NATA accreditation No. 14937) and a report from a professional engineer
2. **Weatherproofing assessment:**
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) & (e) – A report issued by an Accredited testing Laboratory – Ian Bennie and Associates (NATA accreditation No. 2371) and a report from an appropriately qualified person
3. **Fire Resistance assessment:**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – An assessment report issued by an Accredited testing Laboratory – BRANZ Ltd (IANZ accreditation No. 37)
4. **Non-Combustibility (General Concessions):**
 - A. **Sarking-type material**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993)
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – AWTA Product Testing (NATA accreditation No. 1356)
 - B. **Insulation material**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(e) – An assessment report from an appropriately qualified person – CSIRO
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993)
5. **Fire Hazard Properties assessment:**
 - Volume 1 – A2.3(2) / A5.2(1)(e) – An assessment report from an appropriately qualified person – Warrington Australia Pty Ltd
 - Volume 1 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993)
 - Volume 1 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – AWTA Product Testing (NATA accreditation No. 1356)
6. **Resistance to Bushfire Attack assessment:**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(f) – Another form of documentary evidence (assessment against specifications in referenced document – AS 3959:2018)

B2 Reports

Evaluation methods	Related Supporting Evidence as listed below
Structural Assessment	Numbers 1, 2, 3, 4, & 5
Weatherproofing Assessment	Numbers 6 & 7
Fire Resistance assessment	Numbers 8 & 9
Non-Combustibility (General Concession)	Numbers 10, 11, 12, 13, & 14
Fire Hazard Properties assessment	Numbers 10, 11, 12, & 15
Resistance to Bushfire Construction assessment	Number 16

Structure

- 1. Test Report from a NATA accredited testing laboratory (Accreditation No: 14937) for Connection Testing Cyclic Simulated Wind Load Strength Testing and Assessment of the Cyclic Wind Load Capacity of CSR Cemintel Creative Façade System from James Cook University, Report No. TS1055 Revision A (dated: 26 April 2017)**

This document contains the test results of a Cemintel Creative Façade (8mm & 9mm nominal thickness) sample for resistance to simulated cyclic wind load, carried out in accordance with AS 4040.3.
- 2. Test Report from a NATA accredited testing laboratory (Accreditation No: 14937) for Assessment of the Cyclonic Wind Load Capacity of CSR ExpressWall Façade System from James Cook University, Report No. TS584 (dated 4 August 2003)**

This document contains the test results of a Cemintel Creative Façade (9mm nominal thickness) sample for resistance to simulated cyclic wind load, carried out in accordance with AS 4040.3. Reappraisal Test Report Summary from a NATA accredited testing laboratory (Accreditation No: 14937) for Assessment of the Cyclonic Wind Load Capacity of CSR Express Wall Façade System from James Cook University, Report No. TS584 (dated 31 December 2016). This document contains the re appraisal test results of a CSR ExpressWall Façade (9mm nominal thickness) sample for resistance to simulated cyclic wind load, carried out in accordance with AS 4040.3.
- 3. Certification of CSR ExpressWall Façade System by David Beneke Consulting, Report 2013-28-LO-1001 Revision 9 (dated 28 June 2019)**

This document certifies the maximum top hat spans and spacings of ExpressWall façade system (with either ExpressWall panels or Barestone pre-coated panels) in accordance with normal engineering practice and principals, test methods and the relevant Australian Standards.
- 4. Durability opinion of CSR ExpressWall Metal Components from Branz, Report No. DZ0073 (dated 20 September 2004)**

This document contains the opinion of the likely resistance of the ExpressWall system components in relation to durability and Category 4 (Severe Marine) or less, for a minimum service life of 15 years.

- 5. Test Report for Simulated Wind Load Component Testing of Screws used in CSR ExpressWall Façade System from James Cook University, Report No. TS923 (dated 9 October 2013)**

This report provides an assessment for the capacity of the screw connections used in the CSR ExpressWall Façade system by undertaking cyclic pull-out load testing on the exposed head screw connections between the fibre cement cladding and the supporting battens.

Weatherproofing

- 6. Test Report for Air Infiltration, Water Penetration and Structural ULS of Cemintel Creative Façade System, Report No. 2016-108-S1 (dated 24 February 2017 amended 28 March 2017)**

This document contains the test results of the Cemintel Creative Façade System for Water Penetration, carried out in accordance with AS 4284:2008.

- 7. Report from AECOM consultancy advice pertaining to the Cemintel Creative Façade System (for various rain screen materials including Expresswall) (dated 07 June 2019).**

This advice confirms the compliance of this product with AS 4284:2008, based on the test results of Report No. 2016-108-S1, by Ian Bennie and Associates.

Fire Resistance

- 8. Test Report for Fire Resistance of CSR Steel Framed Wall Systems from Branz, Report No. FAR 2357 Issue 12 (dated: 06 July 2017)**

This document contains the test results of the CSR steel framed system for resistance to fire, carried out in accordance with AS 1530.4:2014.

- 9. Test Report for Fire Resistance of CSR Timber Framed Walls from Branz, Report No. FAR 2303 Issue 3 (dated: 24 December 2015)**

This document contains the test results of the CSR timber framed system for resistance to fire, carried out in accordance with AS 1530.4:1997.

Non-Combustibility (General Concession)

A. Sarking-type material

- 10. Test Report for Flammability Index of Bradford Thermoseal™ Wall Wrap from Insulation Research Laboratory, Report No. NR-17201 (dated: 1 May 2017)**

The report provides the results to testing to AS1530.2:1993 and returns a result of Flammability index 1 for the Bradford Thermoseal wall wrap.

- 11. Test Report for Flammability Index of Enviroseal ProctorWrap (CW) Wall Wrap from AWTA, test No. 16-006359 (dated: 12 December 2016)**

The report provides the results to testing of Proctorwrap commercial wall (CW) for AS1530.2:1993 and returns a result of flammability index of 1.

- 12. Test Report for Flammability Index of Enviroseal ProctorWrap (RW) Wall Wrap from AWTA, test No. 17-000553 (dated: 17 February 2017)**

The report provides the results to testing of Proctorwrap residential wall (RW) for AS1530.2:1993 and returns a result of flammability index of 1.

B. Insulation

13. Assessment Report for combustibility of Bradford Glasswool insulation batts from CSIRO, Report No. FCO-2812a (dated: 19 November 2015)

This document provides an assessment of Bradford Glasswool insulation batts and were not deemed combustible when tested to the requirements of AS 1530.1:1994.

14. Test Report for combustibility of Bradford Acoustigard from Insulation Research Laboratory, Report No. NR-17002 (dated: 22 March 2017)

This report contains the results of Bradford Acoustigard insulation batts carried out in accordance with AS 1530.1:1994 and were not deemed combustible.

Fire Hazard Properties

10. Test Report for Flammability Index of Bradford Thermoseal™ Wall Wrap from Insulation Research Laboratory, Report No. NR-17201 (dated: 1 May 2017)

The report provides the results to testing to AS1530.2:1993 and returns a result of Flammability index 1 for the Bradford Thermoseal wall wrap.

11. Test Report for Flammability Index of Enviroseal ProctorWrap (CW) Wall Wrap from AWTA, test No. 16-006359 (dated: 12 December 2016)

The report provides the results to testing of Proctorwrap commercial wall (CW) for AS1530.2:1993 and returns a result of flammability index of 1.

12. Test Report for Flammability Index of Enviroseal ProctorWrap (RW) Wall Wrap from AWTA, test No. 17-000553 (dated: 17 February 2017)

The report provides the results to testing of Proctorwrap residential wall (RW) for AS1530.2:1993 and returns a result of flammability index of 1.

15. Assessment Report for Group Number and Smoke Growth Rate Index (SMOGRARC) from Exova Warrington, Report No. 45759 Revision 10.1 (dated 15 November 2019)

This report shows the assessment undertaken to determine the likely fire hazard properties of the CSR wall and ceiling lining products if tested in accordance with AS ISO 9705:2003 (R2016) and AS5637.1:2015

Resistance to Bushfire Attack

16. Cemintel® Construction Guide for Bushfire Areas (dated October 2019)

This guide provides information on Cemintel® wall cladding products and systems to meet the requirements of each BAL when assessed against specifications in AS 3959:2018



SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

NON-Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: CSR GYPROCK® Plasterboard, Cornices and Panels

Synonyms

GYPROCK Plus®
GYPROCK® Repair Panel
GYPROCK® Mini Repair Panel
GYPROCK® Supaceil®
GYPROCK Aquachek®
GYPROCK® Superchek®
GYPROCK® Standard Plasterboard 13mm
GYPROCK Soundchek®
GYPROCK® Impactchek™
GYPROCK Fyrchek®
GYPROCK Fyrchek® MR
GYPROCK® EC08® (Impact, Impact MR, Complete)
GYPROCK® Shaft Liner Panel
GYPROCK® Shaft Liner MP Panel
GYPROCK® Flexible Plasterboard
GYPROCK® Sensitive
GYPROCK Freshtone®
GYPROCK Supatone®
GYPROCK® Perforated Panel
GYPROCK® Perforated Plasterboard
GYPROCK® Cornice (Cove, Tempo™, Symphony™, Concerto™, Trio, Aria™, Alto™, Presto, Duo™)

Recommended use: Interior linings for walls and ceilings.

Supplier: CSR Building Products Ltd.
ABN: 55 008 631 356
Street Address: Triniti 3, Level 5, 39 Delhi Road
North Ryde NSW 2113
Australia
Telephone: +61 2 9235 8000 (or 1800 807 668 within Australia)
Facsimile: +61 2 9372 5819

Emergency Telephone number: 1300 369 448 (Bus Hrs, Mon-Fri, 8am-5pm, AEST)

2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Calcium sulphate dihydrate	10101-41-4	75 – 95 %
Fly ash	68131-74-8	0 - 20 %
Vermiculite	1318-00-9	0 - 4 %
Ingredients determined to be Non-Hazardous		Balance
		<hr/> 100%

Notes:

1. The crystalline silica (quartz) content of CSR GYPROCK® Plasterboard, Cornices and Panels is less than 0.1%
2. ECO8® Complete, Gyprock Sensitive and Shaft Liner MP Panel contain trace amounts (<0.1%) of thiazole mould inhibitor (registered for use)

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not applicable.



SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of dust. Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by Safe Work Australia.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Natural ventilation should be adequate under normal use conditions.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.



SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid
Colour: Grey / brown
Odour: None

Solubility: N Av
Specific Gravity: N Av
Relative Vapour Density (air=1): N App
Vapour Pressure (20 °C): N App
Flash Point (°C): N App
Flammability Limits (%): N App
Autoignition Temperature (°C): N App
Melting Point/Range (°C): N App
Boiling Point/Range (°C): N App
pH: N App
Viscosity: N App
Total VOC (g/Litre): N App

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):

Product Name: CSR GYPROCK® Plasterboard, Cornices and Panels

Reference No: CSR0001801

Issued: 2020-12-07

Version: 1.3

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SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

LC50 > 5 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in



SAFETY DATA SHEET

CSR GYPROCK® Plasterboard, Cornices and Panels

accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

16. OTHER INFORMATION

Reason for issue: Revised.

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

Product Data Sheet

Impactchek™



Bustling household or commercial environment? Gyprock Impactchek is a high-strength 13mm thick plasterboard with a reinforced core that is an ideal wall lining for high impact areas.

Product Overview

Impactchek is proven to effectively reduce the damage caused by soft and hard body impact. The layer of glass fibre mesh, denser core and heavy duty lining paper provide a hardier, scuff resistant plasterboard lining for residential and commercial applications.

This plasterboard is also a fire and acoustic grade board, ideal for high impact areas where acoustic separation or a fire rated system is specified.

Typical Applications:

Impactchek is typically used in areas such as corridors, foyers, classrooms, retail walls, games rooms and garages where the risk of damage from soft body impact such as balls and bags and hard body impact such as trolleys and furniture is generally higher.

Tested Impact Performance

Gyprock impact resistant plasterboard products are manufactured with a heavier lining paper, and special additives to enhance the durability of their core. Typically, these products can withstand twice the discernible force of regular plasterboard products, making them ideal for high traffic areas.

Hard body impact

Hard body impact is assessed by dropping a 50mm steel ball onto the plasterboard surface from increasing heights.

Soft body impact

Soft body impact testing sees a weighted bag swung on a



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Impact Resistant

Reduces damage from soft and hard body impact



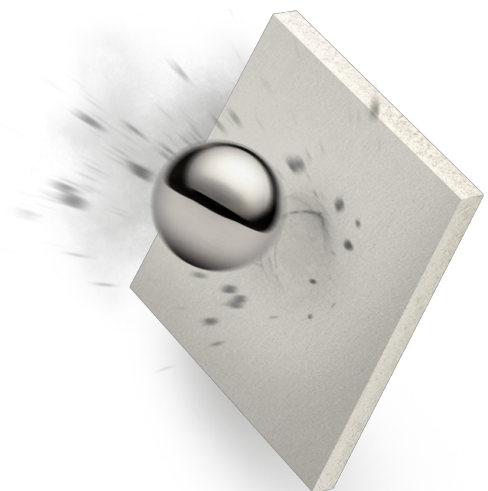
Acoustic Properties

Helps combat sound transmission



Fire-rated

Can be used as part of a fire-rated system



pendulum, striking the plasterboard surface.

Technical Specifications

Product Options

Gyprock Impactchek is available in the following sizes:

Thickness	13mm
Widths	1200mm
Lengths	2400mm 2700mm 3000mm 3600mm 4200mm 4800mm
Edge Profiles	Recessed Edge for regular jointing.

Stockholdings of specific sizes may vary in different regions. Click [HERE](#) for a list of stocked sizes in your state

For the latest product availability in your area and to place an order, contact your [nearest supplier](#).

Product Manufacture

Gyprock Impactchek is manufactured by CSR Gyprock in Australia to stringent product specifications.

Product Handling

Transportation and manual handling: Refer to the [Gypsum Board Manufacturers of Australia \(GBMA\) website](#) for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Manufacturing Tolerances

Nominal Thickness	13mm ± 0.5mm
Nominal Widths	1200 ± 3mm
Nominal Lengths	From 2400 to 4800 ± 5mm, typically in 300mm increments
Squareness	Cut ends ± 3mm in the width of the board

Physical Properties

Nominal Board Weight*	10.5kg/m ²
Thermal Performance: R-Value	0.05 – 0.07 m ² K/W
Fire Hazard: assessed to AS/NZS3837 cone calorimeter test	Average Specific Extinction Area (ASEA) <250m ² /kg Group Number 1 Report Reference WFRA 45759
Combustibility	In accordance with BCA Clause C1.12, Gyprock Impactchek may be used wherever a non-combustible material is required by the Code.
Total Recycled Content	10.4%

*Subject to reasonable manufacturing variance.

Resources

Gyprock makes available **resources** that provide comprehensive selection, design, installation and maintenance guidance.



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Manufactured for Life

Gyprock plasterboard products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system.



GECA Accredited

Verified by an independent conformity assessment body to meet the environmental, health and social/ethical criteria of the GECA Panel Boards standard.



Certified Low VOC

Exceeds the GBCA specification for Volatile Organic Compound content according to independent testing.



Product Data Sheet

Standard 13mm

This board sets the Standard for commercial applications. Gyprock Standard 13mm works as a general internal wall and ceiling lining in a huge range of commercial applications.

Product Overview

Gyprock Standard 13mm is manufactured in Australia to meet and exceed the requirements of Australian Standard AS/NZS 2588.

The go-to for commercial construction, Gyprock Standard 13mm can also be used residential to deliver a more robust, acoustically sound lining.

Typical Applications

Gyprock Standard 13mm is typically used as a wall and ceiling lining option in commercial applications including non-fire or acoustic rated walls and partitions.



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Versatile

Suitable for walls and ceilings



Excellent Score and Snap

Easier to use



25 Year Warranty

Specify and install with confidence

Technical Specifications

Product Options

Gyprock Standard 13mm is available in the following sizes:

Thickness	13mm
Widths	900mm 1200mm 1350mm 1400mm
Lengths	2400mm 2700mm 3000mm 3600mm 4200mm 4800mm 6000mm
Edge Profiles	Recessed Edge for regular jointing Recessed Edge/Square Edge for low profile architectural mouldings Square Edge for applications not requiring jointing

Stockholdings of specific sizes may vary in different regions. Click [HERE](#) for a list of stocked sizes in your state

For the latest product availability in your area and to place an order, contact your [nearest supplier](#).

Product Manufacture

Gyprock Standard 13mm is manufactured by CSR Gyprock in Australia to stringent product specifications.

Product Handling

Transportation and manual handling: Refer to the [Gypsum Board Manufacturers of Australia \(GBMA\) website](#) for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Manufacturing Tolerances

Nominal Thickness	13mm ± 0.5mm
Nominal Widths	900, 1200, and 1350mm ± 3mm
Nominal Lengths	From 2400 to 6000mm ± 5mm, typically in 300mm increments
Squareness	Cut ends ± 3mm in the width of the board

Physical Properties

Nominal Board Weight*	8.5kg/m ²
Thermal Performance: R-Value	0.05 - 0.07 m ² K/W
Fire Hazard: assessed to AS/NZS3837 cone calorimeter test	Average Specific Extinction Area (ASEA) <250m ² /kg Group Number 1 Report Reference WFRA 45759
Combustibility	In accordance with BCA Clause C1.12, Gyprock Standard 13mm may be used wherever a non-combustible material is required by the Code.
Total Recycled Content	3.7%

*Subject to reasonable manufacturing variance.

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Installation Instructions

Installation Guidance

Install to manufacturer's recommendations as outlined in the relevant Installation Guide.

Resources

Gyprock makes available [resources](#) that provide comprehensive selection, design, installation and maintenance guidance.



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Manufactured for Life

Gyprock plasterboard products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system.



GECA Accredited

Verified by an independent conformity assessment body to meet the environmental, health and social/ethical criteria of the GECA Panel Boards standard.



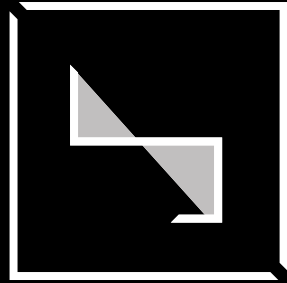
Australian Standard

Exceeds the requirements of Australian Standard AS/NZS 2588 - Gypsum Plasterboard, accredited through SAI Global.



Certified Low VOC

Exceeds the GBCA specification for Volatile Organic Compound content according to independent testing.



HEKA HOODS®

BRACKET-LESS
AWNING SYSTEMS





INTRODUCING

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

Create beautiful lines with Heka Hoods bracket-less awning systems.

Heka Hoods are an aluminium awning without brackets, providing minimalist styling with functional protection from the elements.

Our awning hoods can be used as a single piece over a window or door. Or wrap around a building's façade.

Easy installation

Heka Hoods arrive on site as a finished product, powder coated and ready for a quick and easy installation. There's no need for brackets, FC sheeting or painting.

Engineered

Our standard product is engineered to AS1170.2 Region B and is suitable for most sites Australia wide. We have a product engineered to Region C, suitable for high wind sites and sites in northern Australia.

Australian innovation

Heka Hoods is a patented Australian innovation. Invented, developed and made by Heka Hoods in Australia. We're the only suppliers and distributors of Heka Hoods.





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FEATURES

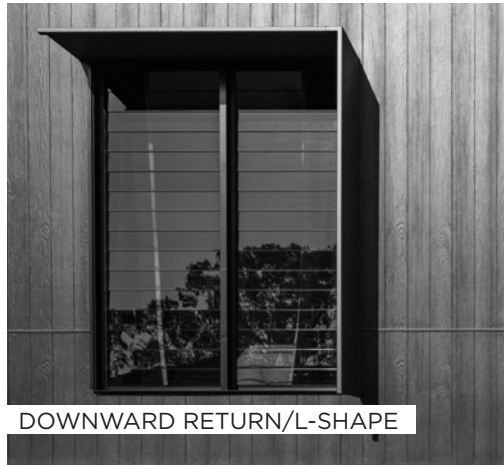
HEKA HOODS BRACKET-LESS AWNING SYSTEMS

Heka Hoods have been developed with aesthetics and functionality in mind and allow for a variety of design options to suit your projects needs.

Our unique joining system allows for continuous connection and the creation of almost any shape. Fully resolved junctions form a seamless finish.



STRAIGHT HOOD



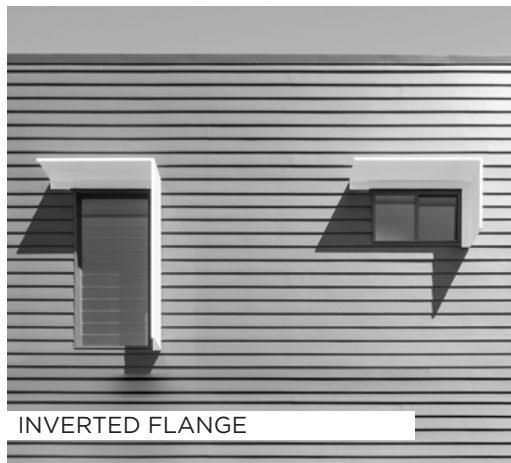
DOWNWARD RETURN/L-SHAPE



CORNERING



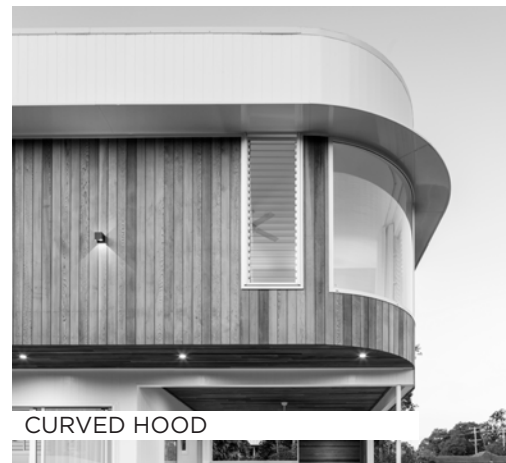
CONTINUOUS CONNECTION



INVERTED FLANGE



FULL SURROUND



CURVED HOOD



ANGLE CUT



SIZES

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

STANDARD WIDTHS

Heka Hoods are available in five standard widths – 300mm, 450mm, 600mm, 750mm, 900mm, and 1200mm by application.

Lengths are customised to suit your specific job. Maximum span is 3000mm before a joiner is required.

CONNECTION SYSTEM

Our patented joining and connection system has been specially designed to enable continuous connection of the hoods. Variations of this connection detail allows for cornering and almost any directional change. With no screws or pop rivets required, the fine detail of the joining system further enhances the minimalist appearance of the awning hood system.

FINISH

At Heka Hoods we offer a full range of colour choices. Our preferred powder coat finish is Duratec. Other finishes are available on request.

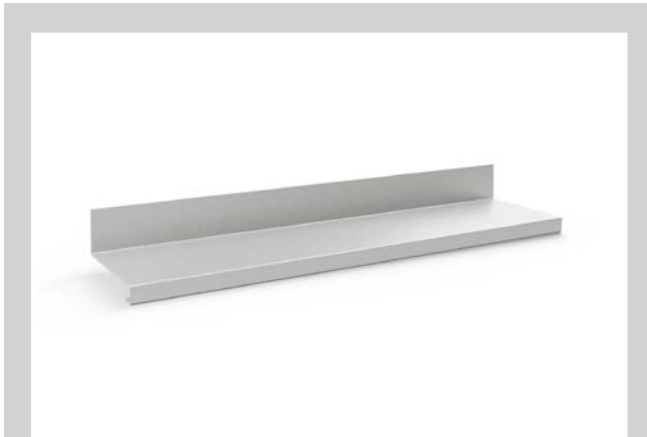


CORE SERIES

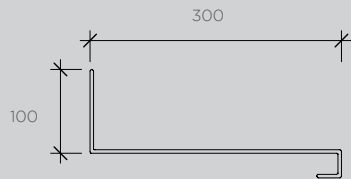
HEKA HOODS BRACKET-LESS AWNING SYSTEMS

Our Core Series hoods are available in three standard depths - 300mm, 450mm, and 600mm.

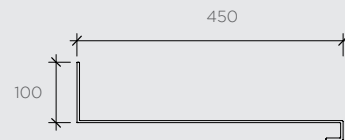
STANDARD WIDTHS



HH300MM WIDE
STANDARD



HH450MM WIDE
STANDARD



HH600MM WIDE
STANDARD



EXTEND SERIES

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

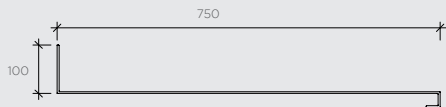
Our Extend Series hood are available in three standard depths - 750mm, 900mm, and 1200mm by application.

Please note that HH1200 hoods are only available in a very limited scope. Additional costs for custom engineering may apply.

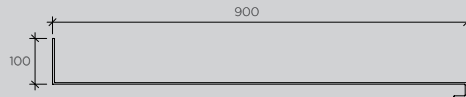
STANDARD WIDTHS



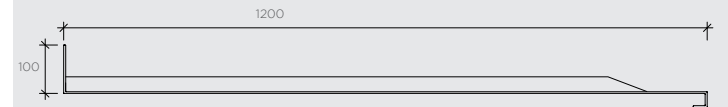
HH750MM WIDE
STANDARD



HH900MM WIDE
STANDARD



HH1200MM WIDE
STANDARD



HIGH WIND SERIES

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

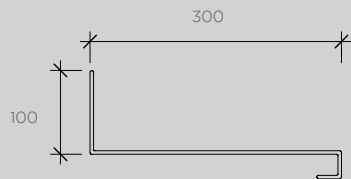
Our High Wind Series hoods are suitable for Region C sites and are available in three standard depths - 300mm, 450mm, and 600mm.

Additional information may be required to confirm suitability for your location.

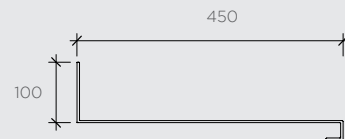
STANDARD WIDTHS



HH300MM WIDE
STANDARD



HH450MM WIDE
STANDARD



HH600MM WIDE
STANDARD





SUITABILITY

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

Heka Hoods have undergone extensive testing and development and are designed in accordance with AS1170.2, Region A, B, and C (equivalent to AS4055 - N1, N2, N3, C1 & C2) up to 6.5 metres above ground when installed as per Heka Hoods installation guidelines.

The suitability of Heka Hoods at a specific location and project will be subject to the application, site specific wind classification, and availability of sufficient structural member(s) to attach the hood(s). It is the customers responsibility to provide project specific wind rating(s) and to ensure the structural integrity & suitability of the sub-structure for connection of the Heka Hoods has been reviewed and confirmed by the site engineer.

Heka Hoods are suitable, but not limited to, fixing back to:

- Timber
- Brick/blockwork
- Cold form steel framing
- Structural steel
- Tilt panel
- Concrete construction

For specific fixing information and for applications outside of the above please contact us to discuss options and solutions that may be available for your project.

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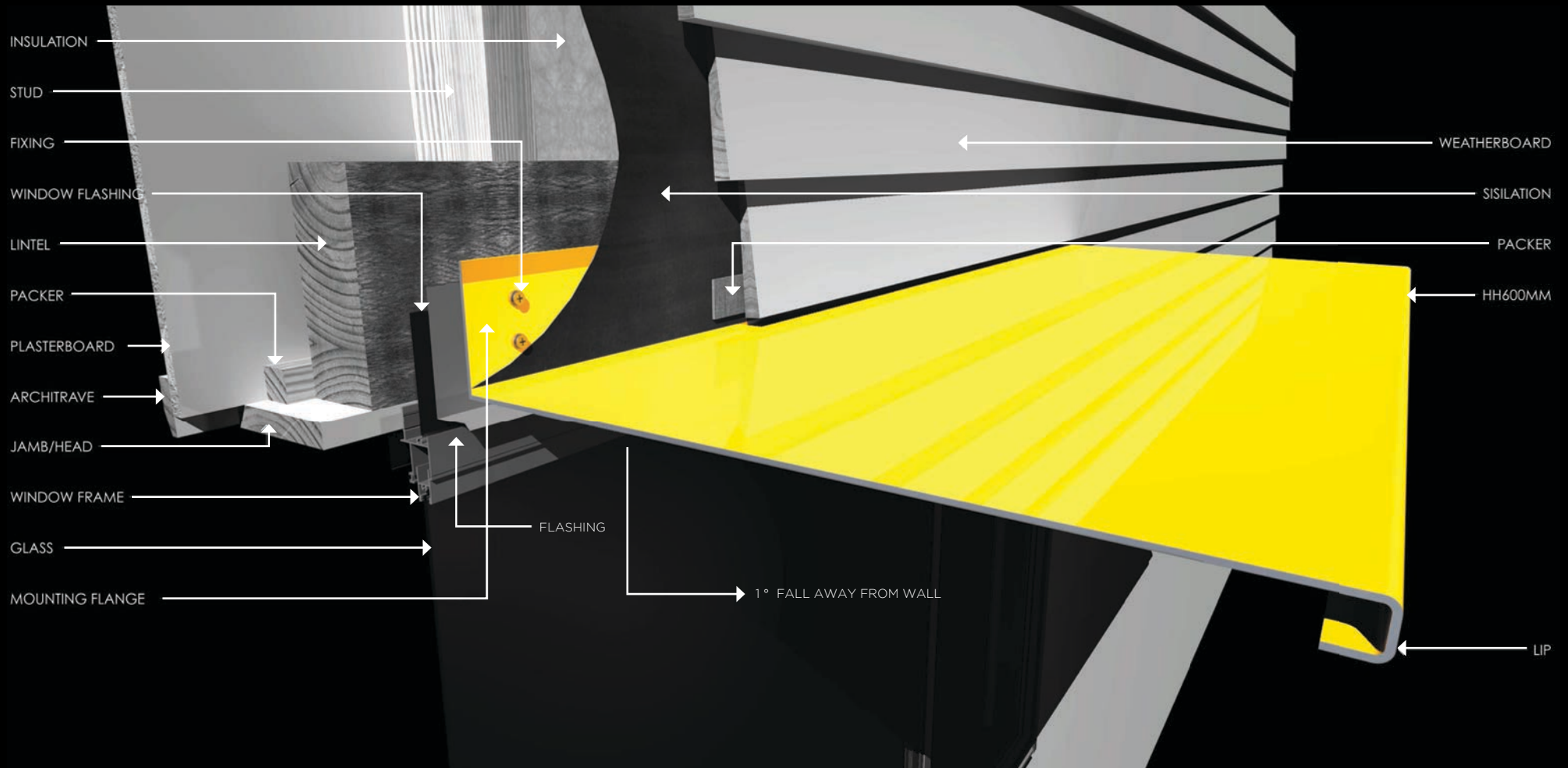


DETAILING

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

Heka Hoods can be installed pre-cladding or retro-fitted.

HH600 HEKA HOOD INSTALLED PRE-CLADDING

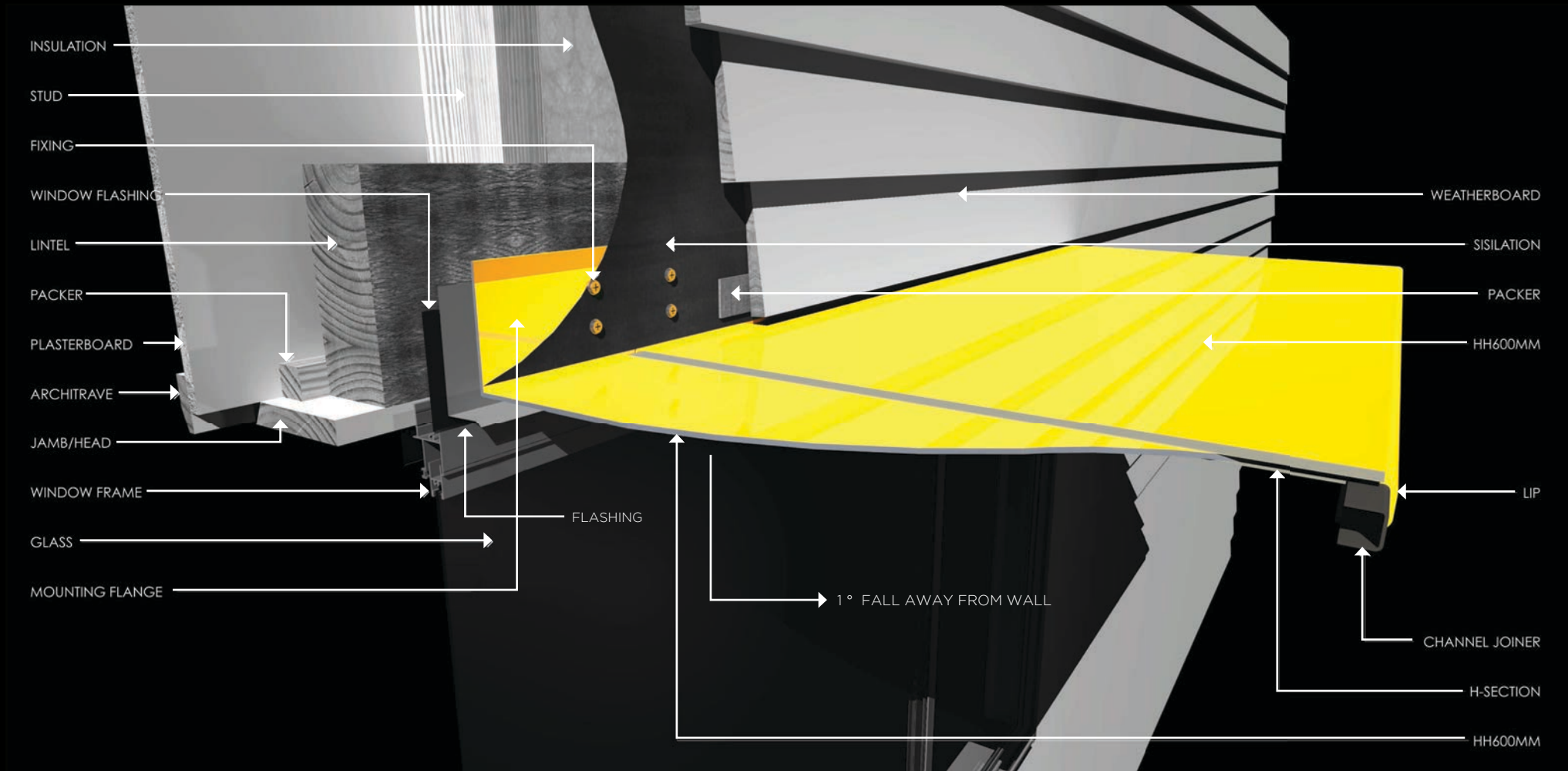


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DETAILING

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

HH600 HEKA HOOD WITH HIGHLIGHTED JOINER AND H-SECTION

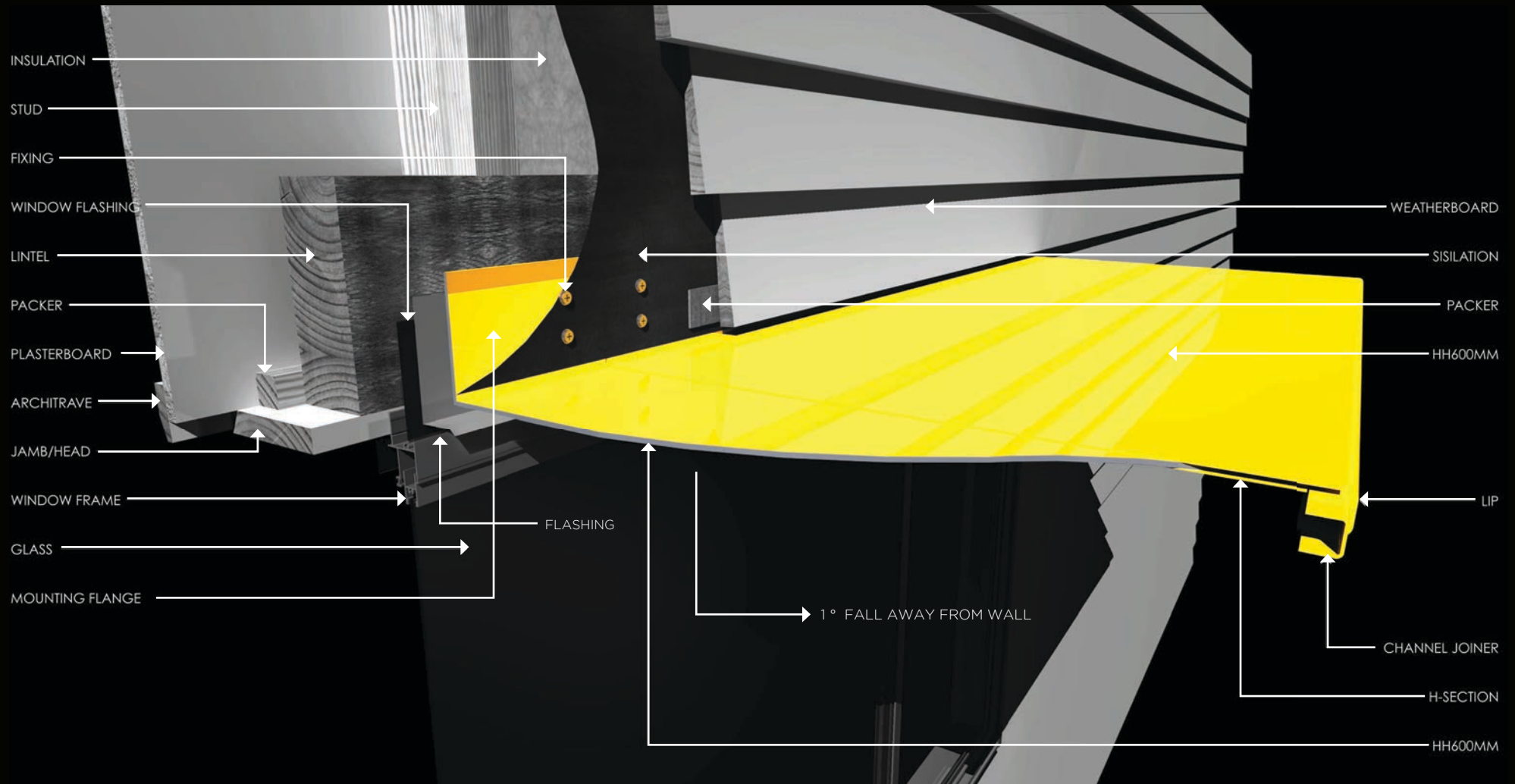


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DETAILING

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

HH600 HEKA HOOD WITH COLOUR MATCHED JOINER AND H-SECTION

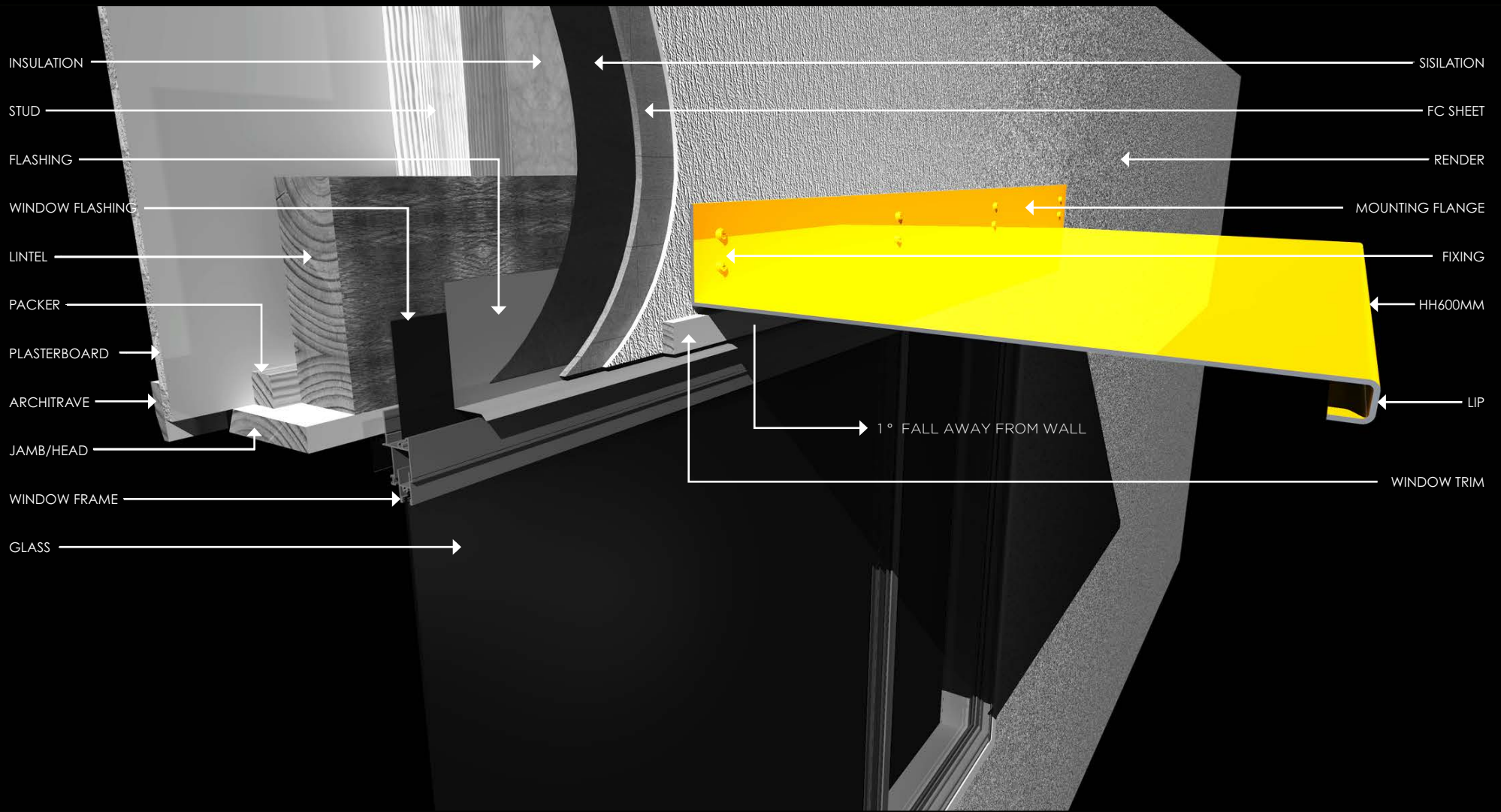


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DETAILING

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

HH600 HEKA HOOD RETROFITTED ONTO RENDER



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BENEFITS

HEKA HOODS BRACKET-LESS AWNING SYSTEMS

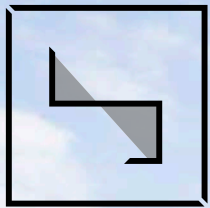
There are many good reasons to use Heka Hoods Bracket-less awning system:

- Easy to install with no need for brackets
- Arrives as a finished product and eliminates the need for multiple trades when making and installing awnings
- Offers versatility and is both aesthetically pleasing and functional
- Customised lengths and widths to suit specifications
- Engineered with a wind load rating
- Competitively priced with fast lead times
- Non-combustible
- Australian designed and manufactured

Schedule us into your next suitable project.







HEKA HOODS®



HHB0019-2020