TSA Management Pty Limited
ABN 71 099 000 272
Level 15, 207 Kent Street
Sydney NSW 2000
+61 2 9276 1400
hello@tsamgt.com
www.tsamgt.com

26 October 2021

Planning Secretary
NSW Department of Planning, Industry and Environment
320 Pitt Street, Sydney NSW 2000

Dear Planning Secretary,

Subject: Santa Sophia Catholic College (SSD 9772) – External Walls and Cladding – E10

I refer to the Santa Sophia Catholic College project (SSD 9772) that was approved on 21st April 2020.

In accordance with condition E10 of the Development Consent, the attached information has been submitted and accepted by the certifier 25 October 2021.

The attached includes:

- Evidence of acceptance by the certifier
- Design certificates
- Façade test certificates
- Installation certificates

Should you require any further information, please do not hesitate to contact the undersigned.

Kind Regards,

Isaac Conway
Project Manager
Best for Project
Level 15, 207 Kent Street, Sydney, NSW 2000
M: +61 401 526 236
isaac.conway@tsamgt.com

Santa Sophia Catholic College
10 Red Gables Road
Box Hill
NSW 2765 Australia

MAIL TYPE	MAIL NUMBER	REFERENCE NUMBER
General Correspondence	ModernBC-GCOR-000027	Buildc-GCOR-015298

Re: OC close out items

From	Mr Seb Howe - MBC Group
To (6)	Mr Paddy Holland - Buildcorp Contracting NSW Pty Ltd
	Mr Lachlan Davis - MBC Group
	Mr Michael Want - TSA Management
	William Tseng - TSA Management
	Mr Isaac Conway - TSA Management
	Mr Kenny Lim - TSA Management
Cc	Mr Mick Cafe - Buildcorp Contracting NSW Pty Ltd
Sent	Monday, 25 October 2021

MESSAGE

Hi Paddy,

E13, E14 & E30 - can you please provide a copy of the email from Council from Mark Nabua on 08/07/2021?

OC7 - satisfied

E10 - confirming we are now satisfied with the information provided.

OC38 - Can you provide the TTW certificate in addition to our proforma? The proforma is generally for sub contractors/plumbers

OC10 - Ok satisfied

OC30 - reviewed and accepted

Still waiting for the cl152 report from brigade. Do you have those items actioned from this morning?

Seb Howe
Associate Director

a Suite 3 / 18 Sydney Road, Manly NSW 2095
p 02 9939 1530 | m 0450 704 954
e showe@mbc-group.com.au

EXTERNAL WALL SYSTEM DISCLOSURE STATEMENT (DESIGN)
EXTERNAL WALL COMPONENTS (TYPE A & B CONSTRUCTION)

Project Name	*Santa Sophia Catholic College*
Address	*Box Hill*
Part of Building	*Facade External Wall*
BCA referred to	BCA 2019

- I confirm that the table provided overleaf identifies all the proposed external wall systems and wall elements designed for the subject development, including the component elements of those systems, and any attachments thereto.
- I have undertaken reasonable investigations to ascertain that these systems and components comply with the non-combustibility requirements of Clause C1.9 of the BCA, such as reviewing product technical information, fire test reports, code mark certificates, fire-engineer's reports and external consultant advice.
- I have undertaken reasonable investigations to ascertain that any sarking-type materials associated with the external wall system design comply with Clause C1.9 of the BCA insofar as these materials do not exceed 1 mm in thickness and have a Flammability Index not greater than 5.
- Supporting documents that demonstrate compliance for each wall type with the relevant sections of the BCA are provided and attached.
- I am a suitably qualified person and my qualifications and accreditations are listed below.
- The information contained in this statement is true and accurate to the best of my knowledge.

Relevant qualifications and accreditations: _____

_____

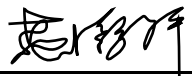
_____

Name: Fred Fan

Company: Chevalier (Aluminium Engineering) Australia Pty Ltd.

Address: Suite 1603, 109 Pitt Street, NSW 2000, Australia

Phone No. (612) 9232 3189 *Fax No.* (612) 9231 1802



Signature

12/02/2019

Date

EXTERNAL WALL ELEMENTS TABLE The table below must be completed for all wall types.

LINING / CLADDING MATERIAL *(Note. Nominate every type of external cladding and/or wall material)*

External/Cladding Material (Eg Fibre cement, Aluminium composite panel, masonry etc)	**Elevation(s)**	**Structural frame material**	**Manufacturer** (Eg, Fairview, CSP, HVG etc)	**Product Name** (Eg, MondoClad, Vitradual, Styrum. Alfrex Solid etc)	**Test certificate, Codemark certificate or Fire Engineering Report** (List all documents evidencing compliance)	**Nominated or proprietary installation requirements** (relevant installation details or guidelines must be listed below and attached)
Powder coated solid aluminium	EWS-101,EWS-102, EWS-103,EWS-201, EWS-202,EWS-203, EWS-204,EWS-205, EWS-206,EWS-207 EWS-301,EWS-302, EWS-303,EWS-401, EWS-402, BAL-01, BAL-104,BAL-110，SCN-201, SCN-202, SCN-203	Aluminium	Interpon	D2015	1530.3	

INSULATION *(list all types incorporated in the external wall systems)*

Material Rockwool etc	**Elevation**	**Manufacture** (Eg, CSR etc)	**Product Name**	**Test certificate reference**
Rockwool	EWS-101,EWS-102, EWS-103,EWS-201, EWS-202,EWS-203, EWS-204,EWS-205, EWS-206,EWS-207 EWS-301,EWS-302, EWS-303,EWS-401, EWS-402, BAL-01, BAL-104,BAL-110，SCN-201, SCN-202, SCN-203	Owens corning	Firespan, Safing black	1530.1

NOT APPLICABLE

SARKING *(list all types incorporated in the external wall systems)*

Manufacture (Eg, CSR etc)	**Elevation**	**Product Name**	**Test certificate reference**

EXTERNAL WALL SYSTEM DISCLOSURE STATEMENT (DESIGN)
EXTERNAL WALL COMPONENTS (TYPE A & B CONSTRUCTION)

Project Name	*Santa Sophia Catholic College*
Address	*Box Hill*
Part of Building	*Facade External Wall*
BCA referred to	BCA 2019

- I confirm that the table provided overleaf identifies all the proposed external wall systems and wall elements designed for the subject development, including the component elements of those systems, and any attachments thereto.
- I have undertaken reasonable investigations to ascertain that these systems and components comply with the non-combustibility requirements of Clause C1.9 of the BCA, such as reviewing product technical information, fire test reports, code mark certificates, fire-engineer's reports and external consultant advice.
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- Supporting documents that demonstrate compliance for each wall type with the relevant sections of the BCA are provided and attached.
- I am a suitably qualified person and my qualifications and accreditations are listed below.
- The information contained in this statement is true and accurate to the best of my knowledge.

Relevant qualifications and accreditations:

Name: Fred Fan

Company: Chevalier (Aluminium Engineering) Australia Pty Ltd.

Address: Suite 1603, 109 Pitt Street, NSW 2000, Australia

Phone No. (612) 9232 3189 *Fax No.* (612) 9231 1802

Signature

12/02/2020

Date

EXTERNAL WALL ELEMENTS TABLE The table below must be completed for all wall types.

LINING / CLADDING MATERIAL *(Note. Nominate every type of external cladding and/or wall material)*

External/Cladding Material (Eg Fibre cement, Aluminium composite panel, masonry etc)	**Elevation(s)**	**Structural frame material**	**Manufacturer** (Eg, Fairview, CSP, HVG etc)	**Product Name** (Eg, MondoClad, Vitradual, Styrum. Alfrex Solid etc)	**Test certificate, Codemark certificate or Fire Engineering Report** (List all documents evidencing compliance)	**Nominated or proprietary installation requirements** (relevant installation details or guidelines must be listed below and attached)
Powder coated solid aluminium	EWS-101,EWS-102, EWS-103,EWS-201, EWS-202,EWS-203, EWS-204,EWS-205, EWS-206,EWS-207 EWS-301,EWS-302, EWS-303,EWS-401, EWS-402, BAL-01, BAL-104,BAL-110，SCN-201, SCN-202, SCN-203	Aluminium	Interpon	D2015	1530.3	

INSULATION *(list all types incorporated in the external wall systems)*

Material Rockwool etc	**Elevation**	**Manufacture** (Eg, CSR etc)	**Product Name**	**Test certificate reference**
Rockwool	EWS-101,EWS-102, EWS-103,EWS-201, EWS-202,EWS-203, EWS-204,EWS-205, EWS-206,EWS-207 EWS-301,EWS-302, EWS-303,EWS-401, EWS-402, BAL-01, BAL-104,BAL-110，SCN-201, SCN-202, SCN-203	Owens corning	Firespan, Safing black	1530.1

NOT APPLICABLE

SARKING *(list all types incorporated in the external wall systems)*

Manufacture (Eg, CSR etc)	**Elevation**	**Product Name**	**Test certificate reference**

EXTERNAL WALL SYSTEM DISCLOSURE CERTIFICATE (INSTALLATION)

EXTERNAL & COMMON WALL COMPONENTS (TYPE A & B CONSTRUCTION)

Note. This certificate must be completed by the Head Contractor's representative or other supervising professional such as the Project Architect or Façade Engineer

Project Name	Santa Sophia
Address	10-12 Red Gables Road Box Hill 2765
Part of Building to be certified	OC - Construction of a New School (Santa Sophia)
External Wall System Disclosure Certificate (Design) Date	12/02/2020

I hereby certify that

- I have reviewed and inspected the installation of the external wall systems for the project;
- The wall systems have been installed as nominated in the approved External Wall System Disclosure Statement for the project which is attached;
- The wall systems have been installed in accordance with any relevant Manufacturer's installation requirements, Code Mark Certificate requirements, relevant Fire-safety Engineering requirements, Part J Energy Report requirements and any other requirements necessary to ensure compliance;
- Only the products identified in the External Wall System Disclosure Certificate (Design) have been installed and substitute products have not been used.
- I am a properly qualified and experienced person and have a good working knowledge of the relevant requirements referenced above. (My qualifications and accreditations are listed below)
- The information contained in this statement is true and accurate to the best of my knowledge.

Relevant qualifications and accreditations:

Accreditation By	Qualifications

Name Fred Fan

Company Chevalier (Aluminium Engineering) Australia Pty Ltd

Address Suite 1603, 109 Pitt Street, NSW 2000, Australia

Phone No. (02) 9232 3189 **Fax No.** (612) 9231 1802

Signature

22/10/2021

Date

Interpon®
POWDER COATINGS

AkzoNobel

Interpon D2015 Flame Propagation Testing AS/NZS1530.3-1999 Part 3

Spread of Flame

Due to the scope of architectural components on a building that are typically powder coat finished Interpon Powder Coatings Australia has undertaken independent testing assessment accordance with AS/NZS 1530.3 – 1999 Part 3 to determine the suitability of specific architectural grade coating systems for aluminium coated cladding, extrusions, fixings and components.

The test results outlined below are specific to Interpon D2015 ultra durable polyester architectural grade powder coat finishes.

Regulatory Indices

Spread of Flame Index	0	Range	0-10
Heat Evolved Index	0	Range	0-10

Result Analysis

Interpon D2015 test sample achieved a zero result on Spread of Flame. Based on the independent test results Interpon D2015 ultra durable polyester powder coat finishes are suitable for use on internal and external architectural cladding, extrusions, fixings and components.

It should be noted that Interpon D2015 should not be specified in a fire ‘control room’ environment.

For a copy of the detailed test results, please email marketing@interpon.com.au.

Acknowledgements

AWTA Product Testing – A NATA Accredited Laboratory

Australian Standards

Interpon®
POWDER COATINGS

August 2017

Test Report

No. AJFS1907007278FF Date: AUG.07, 2019

MAXLONG CURTAIN WALL & ALUMINIUM WINDOW LTD
196 YUEDONG ROAD, CHASHAN, DONGGUAN, CHINA

The following sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. results apply to the sample as received.

Sample Name: FIRESPAN INSULATION
SGS Ref No.: SZIN1907010712SC
Material: ROCKWOOL
Spec.: 80kg/m^3
Buyer: MAXLONG
Manufacturer: OWENS CORNING
Sample Information: FIRESPAN INSULATION 80kg/m^3
Style/Item No.: /

Test Requested:

AS 1530.1:1994 Methods for fire tests on building materials components and structures -- Part 1: combustibility test for materials

Test Results: -- See attached sheet –

Conclusion: In accordance with test results, the tested sample is **not deemed** to be combustible materials as defined in AS 1530.1:1994.

Test Period:

Sample Receiving Date	:	JUL.26, 2019
Test Performing Date	:	JUL.26, 2019 TO AUG.01, 2019

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Lab Manager

No.301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 503825 f (86-572) 503826 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 503825 f (86-572) 503826 e sgs.china@sgs.com

I. Test Conducted

This test was performed in accordance with AS 1530.1 – 1994 Methods for fire tests on building materials, components and structures Part 1: combustibility test for materials.

II. Sample details

Description	Rockwool sample
Color	Light yellow
Thickness	50mm
Specimen size	Ø45mm×50mm

III. Conditioning

The submitted sample shall be conditioned in a ventilated oven maintained at 60±5℃ for between 20h and 24h, and cooled to ambient temperature in a desiccator prior to testing.

IV. Test Results

Parameter	Results					Mean value
	1	2	3	4	5	
Mass loss, (%)	7.5	10.5	6.3	6.3	4.8	7.1
Total duration of sustained flaming [1], (s)	0	0	0	0	0	0
Initial furnace thermocouple temperature, T_{fi} (℃)	749.5	748.3	751.6	750.8	751.9	
Maximum furnace thermocouple temperature, T_{fm} (℃)	803.7	798.6	801.5	800.8	803.9	
Final furnace thermocouple temperature, T_{ff} (℃)	788.6	786.3	789.5	787.3	788.5	
Furnace thermocouple temperature rise, $\triangle T_f$ (℃)	15.1	12.3	12.0	13.5	15.4	13.7
Maximum specimen surface thermocouple temperature, T_{sm} (℃)	781.5	779.6	780.7	782.3	781.6	
Final specimen surface thermocouple temperature, T_{sf} (℃)	774.3	775.6	771.8	773.6	772.8	
Specimen surface thermocouple temperature rise, $\triangle T_s$ (℃)	7.2	4.0	8.9	8.7	8.8	7.5
Test duration, (min)	30	30	30	30	30	

Note: T_{fm}: Maximum furnace temperature

T_{ff}: Final furnace temperature

T_{sm}: Maximum specimen surface temperature

T_{sf}: Final specimen surface temperature

1) Disregard and individual duration of flaming less than 5s

To be continued...

Criteria of combustibility:

A material shall be deemed to be combustible under any of the following circumstances:

(a) The mean duration of sustained flaming is other than zero.

(b) The mean furnace thermocouple temperature rise, △Tf, exceeds 50 ℃.

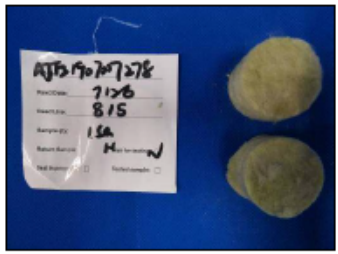
(c) The mean specimen surface thermocouple temperature rise, △Ts, exceeds 50 ℃.

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

These test results relate only to the behavior of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report

No.301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 508825 f (86-572) 508829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 508825 f (86-572) 508829 e sgs.china@sgs.com

FLY ENGINEERING Pty Ltd, Consulting Engineers ABN 73 160 552 170
Suite 4, 264 Peats Ferry Rd (Previously Pacific Hwy), Hornsby NSW 2077
T 61 2 9446 3202 infofacade@flyengineering.com.au
www.flyengineering.com.au

12 May 2020 Our Reference: 19325-SS

Chevalier (Aluminium Engineering) Australia Pty Ltd
Suite 1603, 109 Pitt Street, Sydney NSW 2000
TEL: (02) 9232 3189
Attention: Alex Xie

Santa Sophia College - 10 Red Gables Rd, Box Hill, NSW 2765 -DA Number SSD 9772
-Façade and Balustrade Structural Design Certificate (Preliminary)

Dear Alex,

We certify that we have prepared the structural design of the FAÇADE and Balustrade Systems for the Santa Sophia College - 10 Red Gables Rd, Box Hill, NSW 2765 project in accordance with the following Australian Standards:

AS 1288:2006	Glass in Buildings-Selection and Installation
AS/NZS 1664.1:1997	Aluminium Structures
AS 4100-1998	Steel Structures

And the structure shown on the drawings would be sufficient to carry the relevant loads specified in:

AS/NZS 1170.0:2002	Structural design actions – General principles
AS/NZS 1170.1:2002	Structural design actions – Permanent, imposed and other actions
AS/NZS 1170.2:2011	Structural design actions – Wind actions

This certification does not cover the structures to which the façade/balustrades' structural elements are fixed.

Yours faithfully,

Thomas Yang, MIEAust, CPEng, NPER
Director
For and on behalf of
FLY ENGINEERING Pty Ltd

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Akzo Nobel Pty Ltd
51 McIntyre Road
Sunshine VIC 3020

Test Number : 16-005953
Issue Date : 02/12/2016
Print Date : 27/01/2017

Sample Description

Clients Ref : "D2015"
Powder coating applied to aluminium street
Colour : White
End Use : Architectural Aluminium Coating
Nominal Composition : Polyester resin powder coating
Nominal Mass per Unit Area/Density : 1.2-1.7 g/m2
Nominal Thickness : 60-80um

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures
Part 3: Simultaneous Determination of Ignitability,
Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	02/12/2016		
	Standard Error	Mean	
Ignition time	0.10	7.98	min
Flame propagation time	Nil	Nil	sec
Heat release integral	2.0	16.9	kJ/m²
Smoke release, log d	0.0170	-1.4856	
Optical density, d		0.0328	/ metre
Number of specimens ignited:		6	
Number of specimens tested:		6	
Regulatory Indices:			
Ignitability Index		12	Range 0-20
Spread of Flame Index		0	Range 0-10
Heat Evolved Index		0	Range 0-10
Smoke Developed Index		3	Range 0-10

81139 16016

Accredited for compliance with ISO/IEC 17025
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA
Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results
relate only to the sample or samples tested. This document shall not be reproduced except in full and shall

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

0204/11/06

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Akzo Nobel Pty Ltd
51 McIntyre Road
Sunshine VIC 3020

Test Number : 16-005953
Issue Date : 02/12/2016
Print Date : 27/01/2017

These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Specimens tended to flash before ignition. Ignition was based on the occurance of a single flash of flame which lasted longer than 10 seconds.

Each test specimen was clamped in four places.

Accredited for compliance with ISO/IEC 17025
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA
Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results
relate only to the sample or samples tested. This document shall not be reproduced except in full and shall

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

Installation Certificate

Project: Construction of a new school, named Santa Sophia

Address: 10-12 Red Gables Road Box Hill

I hereby certify that:
The works have been inspected during construction and have been completed in accordance with the design, specifications and the nominated Standards of Performance.

Measure and/or system	Standards of Performance
External Walls	**BCA 2019, FP1.4,** *Performance Solution Report – External Walls No. 110181-PS-FP1.4-r1 Rev1 - prepared by Alex Newberry of BCA Logic dated 24 Sep 2020*

I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)
Relevant qualifications and accreditations: BE(HON), MIEAust, CPEng, NPER(2383535)

The information contained in this statement is true and accurate to the best of my knowledge.

Name of Certifier: Thomas YANG

Company: FLY Engineering Pty Ltd

Address: Suite 4, 264 Peats Ferry Rd (Previously Pacific Hwy), Hornsby NSW 2077

Phone No. 0422492205 Fax No.

Signature

06 OCTOBER 2021
Date