CSR BUILDING PRODUCTS LIMITED

REGULATORY INFORMATION REPORT

CSR Woven Image EchoVelour and EchoFlex Series

Prepared for

CSR Building Products Limited

Project number: 260835

Revision: RIR-B 1.2 Issued date: 5 June 2026 Expiry date: 30 May 2031

JENSEN HUGHES

Quality management

Revision	Date	Revision description		
RIR-B 1.0	Issue: 01 Jun 2026	Report issued in conjunction with 260835 R1.0		
		Prepared	**Reviewed**	**Authorised**
		Alim Rasel	Edward Kwok	Alim Rasel
RIR-B 1.1	Issue: 02 Jun 2026	Report issued in conjunction with 260835 R1.1		
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		Alim Rasel	Wesley Lee	Alim Rasel
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		Prepared	**Reviewed**	**Authorised**
	Expiry: 30 May 2031	Alim Rasel	Wesley Lee	Alim Rasel

Jensen Hughes Fire Testing Pty Ltd
ABN 81 050 241 524

Executive summary

This report contains the minimum information required for regulatory compliance and refers to the referenced assessment report 260835 R1.2.

This report documents the findings of the assessment undertaken to determine the fire hazard properties of CSR Woven Image EchoVelour and EchoFlex Series in accordance with AS 5637.1:2015.

The analysis in sections 5 to 8 of the reference assessment report found that the proposed systems, together with the described variations, will achieve group number as shown in Table 1 – in accordance with AS 5637.1:2015.

The variations and outcome of this assessment are subject to the limitations and requirements described in sections 2.0, 3.0 and 6.0 of this report. The results of this report are valid until 30 May 2031.

Table 1 Overview of variations and assessment outcome

Product Name	Base colour	Substrate colour	Thickness (mm)	Total GSM	Adhesive	Screw fixing spacing	Facing	Group number
Woven Image EchoVelour	White	White	25	2850	CSR Martini Spray	Nominally 300 mm	Colourway as illustrated in Figure 1	1
			50	4350				
Woven Image EchoFlex	White	White	10-12	1600		_		1
Note- Facing colours outside the Colourways illustrated in Figure 1 are permitted, provided that the material composition and manufacturing process remain identical to those of the velour facing								

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1.0 Introduction

This report documents the findings of the assessment undertaken to determine the fire hazard properties of CSR Woven Image EchoVelour and EchoFlex Series in accordance with AS 5637.1:2015[1].

This report may be used as evidence of suitability in accordance with the requirements of the relevant National Construction Code (NCC) to support the use of the material, product, form of construction or design as given within the scope of this assessment report. It also references test evidence for meeting deemed-to-satisfy (DTS) provisions of the NCC that apply to the assessed systems.

This assessment was carried out at the request of CSR Building Products Limited. The sponsor details are included in Table 2.

Table 2 Sponsor details

Sponsor	Address
CSR Building Products Limited	Triniti 3, 39 Delhi Road North Ryde NSW 2113 Australia

2.0 Framework for the assessment

2.1 Assessment approach

An assessment is a professional opinion about the expected performance of a component or element of structure subjected to a fire test.

No specific framework, methodology, standard or guidance documents exists in Australia for undertaking these assessments. We have therefore followed the 'Guide to undertaking technical assessments of the fire performance of construction products based on fire test evidence' prepared by the Passive Fire Protection Forum (PFPF) in the UK in 2021[2].

This guide provides a framework for undertaking assessments in the absence of specific fire test results. Some areas where assessments may be offered are:

- Where a modification is made to a construction which has already been tested
- The interpolation or extrapolation of results of a series of fire resistance tests, or utilisation of a series of fire test results to evaluate a range of variables in a construction design or a product
- Where, for various reasons – eg size or configuration – it is not possible to subject a construction or a product to a fire test.

Assessments can vary from relatively simple judgements on small changes to a product or construction through to detailed and often complex engineering assessments of large or sophisticated constructions.

[1] Standards Australia, 2015, Determination of fire hazard properties – Wall and ceiling linings, AS 5637.1:2015, Standards Australia, NSW.
[2] Passive Fire Protection Forum (PFPF), 2021, Guide to undertaking technical assessments of the fire performance of construction products based on fire test evidence, Passive Fire Protection Forum (PFPF), UK.

This assessment uses established empirical methods and our experience of fire testing similar products to extend the scope of application by determining the limits for the design and performance based on the tested constructions and performances obtained. The assessment is an evaluation of the potential fire hazard properties of the elements in accordance with AS 5637.1:2015.

This assessment has been written in accordance with the general principles outlined in EN 15725:2023[3] for extended application on the fire performance of construction products and building elements: Principle of EXAP standards and EXAP reports.

This assessment has been written using appropriate test evidence generated at accredited laboratories to the relevant test standard. The supporting test evidence has been deemed appropriate to support the manufacturer's stated design.

2.2 Compliance with the National Construction Code

This assessment report has been prepared to meet the evidence of suitability requirements of the NCC 2025[4] under A5G3(1)(d). It references test evidence for meeting deemed-to-satisfy (DTS) provisions of the NCC under A5G6(3) for fire hazard properties that apply to the assessed systems.

This assessment report may also be used to demonstrate compliance with the requirements for evidence of suitability under the relevant sections of NCC 2022 including Amendment 2[5].

2.3 Declaration

The 'Guide to undertaking technical assessments of the fire performance of construction products based on fire test evidence' prepared by the PFPF in the UK requires a declaration from the client. By accepting our fee proposal on 25 March 2026, CSR Building Products Limited confirmed that:

- To their knowledge, the variations to the component or element of structure, which is the subject of this assessment, have not been subjected to a fire test to the standard against which this assessment is being made.
- They agree to withdraw this assessment from circulation if the component or element of structure is the subject of a fire test by a test authority in accordance with the standard against which this assessment is being made and the results are not in agreement with this assessment.
- They are not aware of any information that could adversely affect the conclusions of this assessment and – if they subsequently become aware of any such information – they agree to ask the assessing authority to withdraw the assessment.

[3] European Committee for Standardization, 2023, Extended application on the fire performance of construction products and building elements: Principle of EXAP standards and EXAP reports, EN 15725:2023, European Committee for Standardization, Brussels, Belgium.
[4] National Construction Code Volumes One and Two - Building Code of Australia 2025, Australian Building Codes Board, Australia.
[5] National Construction Code Volumes One and Two - Building Code of Australia 2022 Amendment 2, Australian Building Codes Board, Australia.

3.0 Requirements and limitations of this assessment

- The scope of this report is limited to an assessment of the variations to the tested systems described in section 4.3.
- This report details the methods of construction, test conditions and assessed results in accordance with AS ISO 9705:2003 (R2016)[6] and AS 5637.1:2015.
- This assessment report has been prepared based on the fire hazard properties and condition of the products at the time they were tested. Any deterioration of fire hazard performance due to external factors including but not limited to passage of time and exposure to elements – is not considered in this report.
- Jensen Hughes has provided this report on the fire performance of building elements in a controlled laboratory setting, strictly within the parameters allowed by the test standards and building regulations. The outcomes of this report are intended to assist in verifying the suitability of the product or system for practical use in specific applications.
- This report is only valid for the assessed systems and must not be used for any other purpose. Any changes with respect to size, construction details, loads, stresses, edge or end conditions – other than those identified in this report – may invalidate the findings of this assessment. If there are changes to the system, a reassessment will need to be done by an Accredited Testing Laboratory (ATL) that is accredited to the same nominated standards of this report.
- This report has been prepared using information provided by others. Jensen Hughes has not verified the accuracy and/or completeness of that information and will not be responsible for any errors or omissions that may have been incorporated into this report as a result.
- This assessment is based on the proposed systems being constructed under comprehensive quality control practices and following appropriate industry regulations and Australian Standards on quality of materials, design of structures, guidance on workmanship and expert handling, placing and finishing of the products on site. These variables are beyond the control and consideration of this report.

[6] Standards Australia (2003) *Fire tests* – Full-scale room test for surface products, AS ISO 9705:2003 (R2016)

4.0 Description of the specimen and variations

4.1 Description of assessed system

EchoVelour comprised of compressed polyester fibre adhered to substrates and faced with Colourway facing. EchoFlex is non-woven needle punched polyester fabric laminated to a non-woven needle punched polyester base Panel. The range of colours for Colourways are shown in Figure 1.

Figure 1 Colourway colour selection

4.2 Referenced test data

The assessment of the variation to the tested systems and the determination of the performance are based on the results of the fire tests documented in the reports summarised in Table 3. Further details of the tested systems are included in Appendix A of the referenced report of the referenced report.

Table 3 Referenced test data

Report number	Test sponsor	Test date	Testing authority
RTF260913 R1.0	CSR Building Products Pty Ltd	5 May 2026	Jensen Hughes
RTF260914		10 April 2026 – 13 April 2026	
FI21150-01-1		22 September 2025	Branz
FI12158-01-3		6 November 2019	
FI6025-01-3	CSR Martini Pty Ltd	31 October 2016	
FI5586-01-2		9 September 2014	
FI5599-01-5	CSR Building Products Pty Ltd	4 June 2014	

4.3 Variations to the tested systems

The tested systems and variations to those tested systems – together with the referenced standard fire tests – are described in Table 4.

Table 4 Variations to tested systems

No	Variations	Test standard	Reference test	Evidence of suitability	Governing requirement	Assessment classification
1.	Changes in thickness and facing colour for EchoVelour	ISO 9705:2003 (R2016) AS/NZS 3837:1998 (R2016)	RTF260913 R1.0 RTF260914 FI21150-01-1 FI12158-01-3 FI6025-01-3 FI5586-01-2 FI5599-01-5	A5G6	S7C4	Group number
2.	Changes to facing colour for EchoFlex					

4.4 Test and assessment standard

AS ISO 9705:2003 (R2016) sets out the procedures for conducting full-scale room tests for surface products. The method is intended to evaluate the contribution to fire growth provided by a surface product using a specified ignition source.

AS/NZS 3837:1998 (R2016)[7] specifies a test method for measuring the response of materials exposed to controlled levels of radiant heating with or without an external igniter. The test method is used to determine the ignitability, heat release rates, mass loss rates, effective heat of combustion and smoke release of materials and products.

AS 5637.1:2015 sets out procedures for the assessment and classification of performance of internal wall and ceiling linings according to their tendency to ignite, release heat, cause flashover, release smoke and contribute to fire growth.

[7] Standards Australia/ Standards New Zealand (1998) *Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter*, AS/NZS 3837:1998 (Incorporating Amendment No. 1)

5.0 Conclusion

Details of the assessment and discussion are only available in the referenced main assessment report. It is concluded that CSR Woven Image EchoVelour and EchoFlex products will achieve group number 1 in accordance with AS 5637.1:2015 if constructed as stipulated in Table 1.

6.0 Validity

Jensen Hughes does not endorse the tested or assessed products and systems in any way. The conclusions of this assessment may be used to directly assess fire hazard properties, but it should be recognised that a single test method will not provide a full assessment of fire hazard properties under all conditions.

Due to the nature of fire testing and the consequent difficulty in quantifying the uncertainty of measurement, it is not possible to provide a stated degree of accuracy. The inherent variability in test procedures, materials and methods of construction, and installation may lead to variations in performance between elements of similar construction.

This assessment is based on test data, information and experience available at the time of preparation. If contradictory evidence becomes available to the assessing authority, the assessment will be unconditionally withdrawn and the report sponsor will be notified in writing. Similarly, the assessment should be re-evaluated, if the assessed construction is subsequently tested since actual test data is deemed to take precedence.

The sponsor is responsible for formally notifying Jensen Hughes of any additional testing performed on their product/system. This obligation applies regardless of where the test was conducted, the results of the test, or whether it was initially considered part of Jensen Hughes' ongoing assessment. The primary goal of this notification is to allow Jensen Hughes to review the changes and determine whether they require re-evaluation or re-testing to determine whether the changes have affected the product's performance. It is important that the client promptly notify Jensen Hughes if any such changes are implemented.

The procedures for the conduct of tests and the assessment of test results are subject to constant review and improvement. The sponsor is therefore recommended that this report be reviewed on, or before, the stated expiry date.

This assessment represents our opinion about the performance of the proposed systems that is expected to be demonstrated when subjected to test conditions in accordance with AS 5637.1:2015, based on the evidence referred to in this report.

This assessment is provided to CSR Building Products Limited for their own specific purposes. This report may be used as evidence of suitability in accordance with the requirements of the relevant National Construction Code. Building certifiers and other third parties must determine the suitability of the systems described in this report for a specific installation.