



SUMNER® ADHERED MASONRY VENEER (SAMV)

PURPOSE

THE SUMNER® Adhered Masonry Veneer System enables adhesion of thin masonry stone, brick or tiles over our fiber cement sheet cladding system. Designed to be used as an external cladding over timber and light weight metal frame, or structural masonry.

EXPLANATION

SAMV System consists of thin masonry slips fixed with a modified cement mortar to 9mm SUMNER® Board fiber cement sheet cladding using SUMNER® Tape to sheet joints.

SUMNER Board is 1200x600x9mm high density fiber cement sheet comprising of cement, cellulose, fibers and mineral fillers.

SAMV System is suitable for all types of brick, stone and tile where installed weight does not exceed 100kg/m².

SCOPE AND LIMITATIONS OF USE



For further assistance please contact:

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Scope	Limitations
<p>Location</p> <p>In wind zones up to and including extra high as defined in NZS 3604:2011, or to a wind design pressure (ULS) of 4.5 kPa.</p> <p>In all corrosion zones, as defined in NZS 3604:2011.</p> <p>On buildings any proximity to a relevant boundary.</p>	
<p>Building</p> <p>In conjunction with a primary structure that complies with the NZ Building Code, or where the designer has established that the existing structure is suitable for the intended building work.</p> <p>In conjunction with a drained and ventilated cavity, as to the details.</p> <p>In conjunction with joinery that complies with the building code or, for existing joinery, where the installer has confirmed that the existing elements are suitable for the intended building work.</p>	<p>➤ SUMNER® Board must be installed in conjunction with a drained cavity over a frame protection system.</p>



USEFUL INFORMATION

For information on the design, installation and maintenance of the SUMNER adhered masonry veneer system and for our warranty refer to www.sumnerschist.co.nz

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all SUMNER® AMV Systems requirements, the SUMNER® AMV System will comply with or contribute to compliance with the following performance claims:

BASIS OF COMPLIANCE

Building Code clauses	Compliance Statement	Demonstrated by
B1 Structure B.1.3.1, B1.3.2 B1.3.3 (a,f,h,j,q), B1.3.4	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> › Bond strength of SUMNER Grip tested by BEAL for tensile strength and freeze thaw, refer to test BTS1661 TR160811-1. › Bend strength of SUMNER Board tested to AS/NZS 2908.2:2000 by BEAL using Modulus of rupture, refer to test BTS 1108 TR110713. › Screw pull through resistance. tested by BEAL, refer to test BTS1108 TR111103. › Bracket load for hybrid adhesive/mechanical system tested by BEA, refer to test BTS1108 TR110625. › Water permeability of SUMNER Board tested by BEAL, refer BEAL1108 TR110902 › Batten tested by BEAL for compressive strength, BTS1728 TR170616-1a
B2 Durability B2.3.1(a), B2.3.2(b)	VERIFICATION METHOD B2/VM1 Class 2	<ul style="list-style-type: none"> › Conformance testing of SUMNER Board to satisfy B2 for soak-dry, and freeze-thaw to AS/NZS 2908.2:2000, refer to test BEAL1108 TR110902 › Bond strength of SUMNER Grip adhesive tested for accelerated aging. BEAL test BTS1661. › Water permeability of SUMNER Board tested by BEAL, refer BEAL1108 TR110902
C3 Fire affecting areas beyond the fire source C3.5, C3.7 (b, c)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> › 9mm Sumner Board has a Group 1S classification (based on A1 classification under EN13501 - refer to MBIE Guidance). › Tested to EN 13501-1:2007+A1:2009 by SGS Gz, ilac-MRA and CNAS accredited.
E2 External moisture E2.3.2, E2.3.5, E2.3.7 (a, b, c)	VERIFICATION METHOD E2/VM1 Class 2	<ul style="list-style-type: none"> › BEAL testing carried out in accordance with in accordance with AS/NZ 4284:2008 concludes product meets E2/VM1 requirements. › BEAL tested SUMNER Board to verify additional waterproof membrane not required, refer to test BEAL1108 TR110902. › Water flow through SUMNER fluted battens. BEAL test BTS1728 TR170620a
F2 Hazardous building materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> › SUMNER® Board does not contain asbestos, tested by SGS with reference to AS 4964-2004. Report Number CANMLC1822834301. › Installation subject to SUMNER® installation recommendations. › Masonry veneers do not contain or emit harmful materials

SOURCES OF INFORMATION

SGS Guangzhou [09/11/2018]. *Asbestos Test CANMLC1822834301*
 SGS Guangzhou [15/11/2018]. *Fire Test Report SDHL1811025167FB*
 SGS Guangzhou [16/11/2018]. *Density Test GZIN1811057542CM*

BEAL Wellington [12/04/2016]. *Test Report Adhesive strength TR160811-1*
 BEAL Wellington [16/07/2011]. *Test Report Bending Strength TR110713*
 BEAL Wellington [03/11/2011]. *Test Report Screw pull through TR111103*
 BEAL Wellington [03/11/2011]. *Test Report Water Permeability TR110802*
 BEAL Wellington [11/04/2013]. *Test Report Weathertightness TR190514-1*

› TUV SUD PSB Pte Ltd [19/08/2018]. *Classification Report. 9191189264-MEX18/3-LGJ. Classification of reaction to fire in accordance*
 › BEAL Wellington [22/06/17]. *Water flow of battens Test TR179620a*
 › BEAL Wellington [22/06/17]. *Batten strength. Test TR170616-1a*
 › BEAL Wellington [02/09/2011]. *Conformance Test Report TR110902*
 › BEAL Wellington [25/06/2011]. *L-Fixing Test Report TR110625*
 › SUMNER® *Technical Manual 18th November 2017.*

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Note: Uncontrolled in printed format.

NAME: David Salenius

POSITION: General Manager

Signed on behalf of SUMNER® Adhered Masonry Veneer System:

David Salenius

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This Supplier Product Technical Statement has been prepared in accordance with MBIE PTS guidelines and the recommendations of s9.2, Determination No. 2019-011 (issued 12 April 2019).