

Alternative solution checklist



If the application is supported by a NZ CodeMark Certificate or Product Appraisal issued by a recognised NZ Body i.e. BRANZ or BEAL, this checklist is not required. Staff must check to ensure that the product or system fits within the scope of the appraisal and if so, record this in the comments column of their processing checklist. Refer AC2210 Alternative Solutions for further information.

Note: for unique, one-off assessments the applicant should attend a pre-application meeting to discuss the product with Councils subject matter experts. Refer to the Policy Team for further assistance.

Product name:	Vertical Shiplap Timber - 115mm cover
Product type:	Australian Hardwood
Product description:	Vertical Shiplap Timber - 115mm cover - timber source is Class 1 Australian Hardwood - follows NZS3617 profiles as per detailing supplied
Manufacturers / Suppliers name:	LMA Timber - New Zealand
Postal address:	66 Wickham Street, Bromley, Christchurch, New Zealand
Contact person:	Martin Thompson
Phone:	021398800
Email:	martin@lmatimber.co.nz
Website:	www.lmatimber.co.nz

Identify Code clauses product needs to comply with (circle)

B1	B2	C1-6	D1	D2	E1	E2	E3
F1	F2	F3	F4	F5	F6	F7	F8
G1	G2	G3	G4	G5	G6	G7	G8
G9	G10	G11	G12	G13	G14	G15	H1

Documentation check (tick box as appropriate)	Decision			Reasons for decision / comments
	Yes	RFI	N/A	
Technical literature provided – test results, calculations, etc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referenced standards suitable for NZ environment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Technical evidence of compliance provided for each affected code clause	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the assumptions made and methods utilised valid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Corrosion zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Seismic region	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Risk: <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High (Refer to MBIE Guide on Product Assurance)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Expert judgement (opinion from a suitably qualified independent expert)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MBIE worksheets provided (Refer to MBIE Guide on Product Assurance)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Installation and maintenance details provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clear scope of use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Limitations on use or special installation requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Names of experts engaged in assessment process (independent experts)

Product testing by:	AS5604 - 2005 - classification of timbers
PTS supplied by: (Mandatory refer s.14G)	Refer durability document accompanying this documentation and profiles that align with NZS 3617
Producer statements by:	N/A
Other (describe)	Refer to durability documents / statements by Michael Powell and David Page / Tripti Singh - Scion.

Notes:

LMA Timber has been supplying Australian hardwood cladding as an alternative solution for over nine years without issue. During this time, millions of lineal metres of cladding have been installed across New Zealand, with extensive use throughout the Auckland region.
Christchurch City Council assisted in developing our Alternative Solution documentation, which has now been in circulation for six years and has been accepted by councils nationwide. The system complies with all E2 External Moisture and B2 Durability requirements of the New Zealand Building Code.
The strong performance of Australian hardwood cladding is largely due to its natural durability. As a Class 1 material, it offers a service life of 40 years or more, compared with many commonly used claddings such as cedar or Abodo products, which are typically classified as Class 2 with an expected lifespan of 15–40 years.
In practice, this alternative solution provides a significantly more robust and long-lasting façade option. In our view, all external cladding systems should be designed to achieve a minimum service life of 40 years or more, as current code allowances are comparatively lenient in this regard.

Outcome	Reasons for decision
<input type="checkbox"/> Approved	On balance the evidence / supporting documentation is persuasive. The product / system will result in the same level of safety and / or amenity as provided by compliance with an acceptable solution.
<input type="checkbox"/> Declined	On balance the evidence / supporting documentation is <u>not</u> persuasive. The product / system will <u>not</u> result in the same level of safety and / or amenity as provided by compliance with an acceptable solution.

Assessors:

Name	
Signature	
Date	
Name	
Signature	
Date	