

3	MATERIALS ASPECTS	3.2 SELECTION OF MATERIALS
		MA 6 SUSTAINABLE FOREST PRODUCTS
	EXCLUSIONS	None.
	OBJECTIVE	Encourage the use of timber from well-managed forests.
	CREDITS ATTAINABLE	1
	PREREQUISITES	None.
	CREDIT REQUIREMENT	1 credit for demonstrating at least 50% of all timber and composite timber products used in the project are from sustainable sources/recycled timber.
	ASSESSMENT	<p>The Client shall provide a report prepared by a suitably qualified person quantifying the amount of forest products used that are from sustainable source/recycled timber, as a percentage of all timber products used. The unit may be mass/volume/dollar value but shall be consistent throughout the assessment of this credit.</p> <p>The timber should conform to the requirement of sustainable forestry practice guidelines and accredited by recognised organisations, such as the non-profit Forest Stewardship Council (FSC) [1] or the American Forest and Paper Association (AFPA) [2] or “known licensed sources” [3]. The Client shall also demonstrate compliance with the specification for the recommended sustainable source (e.g. FSC or AFPA)</p>
	BACKGROUND	<p>Timber is the most ecologically benign construction material. However, there are hardwoods which are being extracted from virgin forests in an unsustainable manner, destroying valuable forests and ecosystems. Similarly, some softwoods, such as redwood and cedar, are being depleted. Where forests are being harvested in an unsustainable manner, the result is the extinction of indigenous species and the clearance of vegetation that would otherwise help regulate the amount of CO₂ in the atmosphere. Improved forestry practices can be encouraged by seeking timber from sources where the forests are well managed.</p> <p>Hong Kong uses only imported timber and is one of the largest importers of tropical hardwoods. The construction sector in Hong Kong is a major consumer of hardwoods from tropical rainforests, with a large proportion used wastefully and ending up at landfill sites. Timber should originate only from well-managed sources and should be reused whenever possible. Guidelines, templates and implementation measures to help organisations develop purchasing policies and practices that help conserve forest resources are available [4]. PNAP No. ADV-5 [5] gives guidance for alternatives to the use of hardwoods in order to reduce the amount of tropical hardwood timber used in building projects.</p> <p>A Works Bureau Technical Circular (WBTC) [6] establishes the revised policy requiring the use of metallic site hoardings and signboards in</p>

- 1 Forest Stewardship Council. <http://www.fsc.org/>
- 2 American Forest and Paper Association. <http://www.afandpa.org/>
- 3 Architectural Services Department, General Specifications for Building 2007, Section 13, Carpentry and Joinery, 13.01.03.
- 4 World Wildlife Fund. http://www.wwf.org.uk/wwf_articles.cfm?unewsid=2968
- 5 Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers PNAP No. ADV-5 153, Tropical Hardwood Timber. <http://www.bd.gov.hk/english/documents/pnap/ADV/ADV005.pdf>
- 6 Works Bureau. Technical Circular No. 19/2001. Metallic Site Hoardings and Signboards.

BEAM Plus Assessment Tools

BEAM Plus New Buildings & Existing Buildings

Registered Projects

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- [FAQ - General](#)
- [FAQ - NB v1.1 and 1.2](#)
- [FAQ - NB v2.0](#)
- [FAQ - EB v1.1 and 1.2](#)
- [FAQ - EB v2.0](#)

[e-Form](#)

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[BEAM Plus Data Centres & Green Data Centres Practice Guide](#)

[BEAM Plus Bespoke](#)

[Technical Circular Letter](#)

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[Certified Building](#)

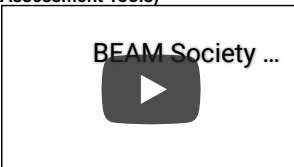
[Statistics](#)

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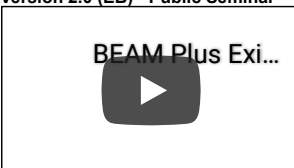
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FAQ - NB v1.1 and 1.2

Site Aspects

[SA 2 Local Transport](#)

[SA 3 Neighbourhood Amenities](#)

[SA 4 Site Design Appraisal](#)

[SA 6 Cultural Heritage](#)

[SA 7 Landscaping and Planters](#)

[SA 8 Microclimate Around Buildings](#)

[SA 9 Neighbourhood daylight access](#)

[SA 10 Environmental Management Plan](#)

[SA 11 Air pollution during construction](#)

[SA 12 Noise during construction](#)

[SA 13 Water pollution during construction](#)

[SA 14 Noise from building equipment](#)

[SA 15 Light Pollution](#)

Materials Aspects

[MA P1 Timber used for temporary works](#)

[MA P3 Construction and Demolition Waste Management Plan](#)

[MA P4 Waste recycling facilities](#)

[MA 3 Prefabrication](#)

[MA 4 Adaptability and Deconstruction](#)

[MA 5 Rapidly Renewable Materials](#)

[MA 6 Sustainable Forest Products](#)

#120. MA P1 and MA 6, For BEAM Plus New Buildings Version 1.1 and 1.2, what documentation is required to prove the timber is from a sustainable source?

In the event the timber products are not purchased from a supplier who is an "accredited company", the following basic evidences should be produced to demonstrate the products:

- (i) conform to sustainable forestry practice guidelines;
- (ii) be accredited by recognised organisations; and
- (iii) in compliance with the specification set down by the organisation.

Provided that the timber products are sourced from a supplier already accredited by the Approval Organisations, i.e. FSC, AFPA, PEFC or other "known licensed sources" according to the respective protocol (accredited company), and the timber products purchased are issued with the Certificate under the COC (Chain of Custody)

system, it is acceptable that the following documents as proof to demonstrate the timber products as purchased from the timber supplier and used in the project site are from a sustainable source: -

1. Invoice plus Delivery Note (DN) from the supplier of the timber products purchased - on the invoice & DN, it should be marked with the reference Certificate No.; a note which has the effect of confirming the products in the invoice and delivery note are certified; the pack no. of the timber products (see the samples – [Attachment A1 and A2](#));

2. A copy of the COC Certificate of the certified timber supplier; [AND](#)

3. Photographic evidence of the timber products.

(Released on 29 November 2019)

#138. MA 3, 5, 6, 7 & 9, For BEAM Plus New Buildings Version 1.1 and 1.2/ MW 3, 5, 6, 7b, 8 & 9, For BEAM Plus New Buildings Version 2.0, which personnel from the contractor is/are qualified for endorsement of the calculation/ summary/ worksheet of building elements/ materials?

The following personnel from the contractor are qualified for endorsement of the calculation/ summary/ worksheet of building elements/ materials:

1. The contractor's quantity surveyor who possesses the following qualification:

- a Corporate Member of HKIS in QS Discipline; or
- a Chartered Member of RICS in QS Discipline; or
- a Corporate / Certified / Full Member of other International Institute of Surveyors in QS Discipline; or

2. The contractor's project manager who supervises the Project QS, monitors the use of materials, and possesses the following qualification or experience:

- a Corporate Member of HKICM; or
- a Chartered Member of CIOB; or
- a Corporate / Certified / Full Member of other International Institute of Construction Managers; or
- at least 10 years of construction-related experience.

CV of the personnel and organisation chart highlighting the personnel shall be submitted to demonstrate the personnel has fulfilled the above-mentioned requirements.

(Released on 28 January 2022)

MA 7 Recycled Materials

MA 9 Regionally Manufactured Materials

MA 10 Demolition Waste Reduction

MA 11 Construction Waste Reduction

Energy Use

EU 1 Reduction of CO2 Emissions

EU 1 - Option 2 Alternative Route: Passive Design

EU 2 Peak electricity demand reduction

EU 3 Embodied energy in building structural elements

EU 6 Renewable Energy System

EU 7 Air-conditioning units

EU 9 Energy efficient appliances

EU 10 Testing and Commissioning

EU 11 Operation and Maintenance

EU 12 Metering and monitoring

Water Use

WU P1 Water Quality Survey

WU P2 Minimum water saving performance

WU 1 Annual water use

WU 3 Water Efficient Irrigation