

3 MATERIALS ASPECTS 3.P PREREQUISITE

MA P1 TIMBER USED FOR TEMPORARY WORKS

EXCLUSIONS None.

OBJECTIVE Encourage the well-managed use of timber.

REQUIREMENT Virgin forest products are not used for temporary works during construction.

ASSESSMENT The Client shall provide **documentation** and **photographic evidence** demonstrating that no virgin forest products were being used for temporary works, unless **exceptional circumstances** required such use, in form of a report prepared by a suitably qualified person. The report should highlight how **contract documents and specifications precluded** such use in formwork, hoardings, walkways, etc., together with **evidence** such as site photos and **records to demonstrate that no new timber or timber products were used**. **Wood products from well-managed or sustainable sources are acceptable for this credit requirement**. **Sustainable timber shall be certified by Forest Stewardship Council (FSC)[1], the American Forest and Paper Association (AFPA)[2], or "Known Licensed Sources" [3].**

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The Client's representative on site shall be responsible for monitoring and reporting on construction activities, and shall confirm in writing that the works were conducted in accordance with the specifications and contract documents, and that all details regarding the use of timber contained in the report are accurate.

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Where it is demonstrated that all practical steps have been taken to avoid the use of virgin forest products, the credit shall be awarded.

BACKGROUND Timber is the most ecologically benign of construction materials. 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 regulating the amount of CO₂ in the atmosphere. Improved forestry practices can be encouraged by seeking timber from sources where the forests are well-managed.

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 are to assist organisations to develop purchasing policies and practices that help conserving 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 being used in constructions.

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=296

5 Buildings Department. Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineer. PNAP No. ADV-5 Tropical Hardwood Timber. <http://www.bd.gov.hk/english/documents/pnap/ADV/ADV005.pdf>

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BEAM Plus New Buildings & Existing Buildings

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FAQ

FAQ - General

FAQ - NB v1.1 and 1.2

FAQ - NB v2.0

FAQ - EB v1.1 and 1.2

FAQ - EB v2.0

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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

#119. MA P1, For BEAM Plus New Buildings Version 1.1 and 1.2, what documentation is required to show the use of virgin forest products is avoided by reusing old timber products?

The reuse of timber or timber products for temporary works is acceptable. Transfer notes and site photo records should be kept and submitted to show the originating old timber source, the quantity and the date of transfer of the timber products between the despatch work site and the project site (recipient). The transfer notes should bear the detailed name and address of the work sites concerned and duly signed by both the despatch and recipient parties undertaking the transfer (i.e. site representative / stores officer in managerial position), together with company chops.

If the old timber products are from the same project site, a detailed usage record or inventory prepared by a site representative in respect of the timber products being used/reused at the project site shall suffice to prove the reuse.

(Released on 29 November 2019)

#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:

- conform to sustainable forestry practice guidelines;
- be accredited by recognised organisations; and
- 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)

MA P3 Construction and Demolition Waste Management Plan

MA P4 Waste Recycling Facilities

MA 4 Adaptability and Deconstruction

MA 6 Sustainable Forest Products

MA 10 Demolition Waste Reduction

MA 11 Construction Waste Reduction

Energy Use

EU 1 Reduction of CO2 Emissions

EU 2 Peak Electricity Demand Reduction

EU 3 Embodied Energy in Building Structural Elements

EU 7 Air-conditioning Units

EU 9 Energy Efficient Appliances

EU 10 Testing and Commissioning

EU 12 Metering and Monitoring

Water Use

WU P1 Water Quality Survey

WU P2 Minimum Water Saving Performance

WU 1 Annual Water Use

WU 5 Water Efficient Appliances

Indoor Environmental Quality

IEQ P1 Minimum Ventilation Performance

IEQ 1 Security

IEQ 2 Plumbing and Drainage

IEQ 4 Waste Disposal Facilities

IEQ 5 Construction IAQ Management

IEQ 6 Outdoor Sources of Air Pollution

IEQ 7 Indoor Sources of Air Pollution

IEQ 9 Increased Ventilation