



Use of PEFC/SGEC certified wood products in the Osaka-Kansai Expo Pavilions

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SGEC/PEFC Japan
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Sustainability procurement code for wood products used for the Expo

Target products:

Construction materials: lumber, laminated wood, CLT, plywood, LVL, flooring

Plywood for concrete formwork

Lumber used for furniture (excluding mill ends, etc.)

Sustainability requirements

- (i) Legality
- (ii) Forest management based on mid- to long-term plan
- (iii) Areas of ecological and environmental importance are conserved.
Wood originated from conversion of forests to other land uses is not included
- (iv) Respect for the rights of indigenous and local people
- (v) Workers safety and health

Forest Certification System

FSC, PEFC, and SGEC certified wood products are recognized to be in principle in conformity with the requirement (i) to (v) above.

Summary of the use of certified wood products in the Osaka/Kansai Expo Pavilions

<Overseas Pavilion>

Of the 43 official participants' pavilions, wood products are used in 19 pavilions. Bamboo is used in 2 pavilions (China, Malaysia) PEFC certified wood products are used in 6 pavilions among the 19 pavilions.

Pavilion	Wood use	Use of PEFC certified products
Nordic Pavilion	○	
Irland	○	
USA	○	○
Italia	○	○
Indonesia	○	
Uzbekistan	○	
Australia	○	○
Austria	○	○ (PEFC Project Certification)
Qatar	○	
Switzerland	○	

Pavilion	Wood use	Use of PEFC certified products
Spain	○	
Thailand	○	
Czechia	○	○
China	bamboo	
Chile	○	
Germany	○	○
Bharain	○	
Hungary	○	
Poland	○	
Malaysia	Bamboo	
Romania	○	

Summary of the use of certified wood products in the Osaka/Kansai Expo Pavilions

<Domestic Pavilion>

Wood products are used in 2 pavilions (Japan Pavilion and Osaka Healthcare Pavilion) of 4 domestic pavilions.

The use of PEFC or SGEC certified wood products is not confirmed in these two pavilions.

<Private Pavilions>

Of the 13 private pavilions, wood products are used in 3 pavilions (Sumitomo Pavilion, Mitsubishi Pavilion, YOSHIMOTO Pavilion).

Laminated bamboo is use in Blue Ocean Dome.

Among these pavilions, STEC-certified plywood is used in Sumitomo Pavilion.

<The Grand Ring>

PEFC certified wood is used for columns of the Grand Ring

Examples of certified timber use in Expo pavilions

Austria Pavilion:

Curved stave shape with wooden slats bolted on.

The wood used is PEFC-certified Austrian spruce and is processed in Austria, and transported to Japan for assembly

PEFC project certification of the pavilion was realized through collaboration between PEFC Austria and SGEC/PEFC Japan.



USA Pavilion:

USA Pavilion is composed of two buildings with wooden facades and triangular planes

Solid sawn timber made from Douglas fir (about 250m³) and spruce CLT (25m³). both are PEFC-certified. are used.



Italy Pavilion:

CLT and glulam are used in Italy Pavilion.

Glulam is manufactured using Scandinavian Red Pine and PEFC certified.



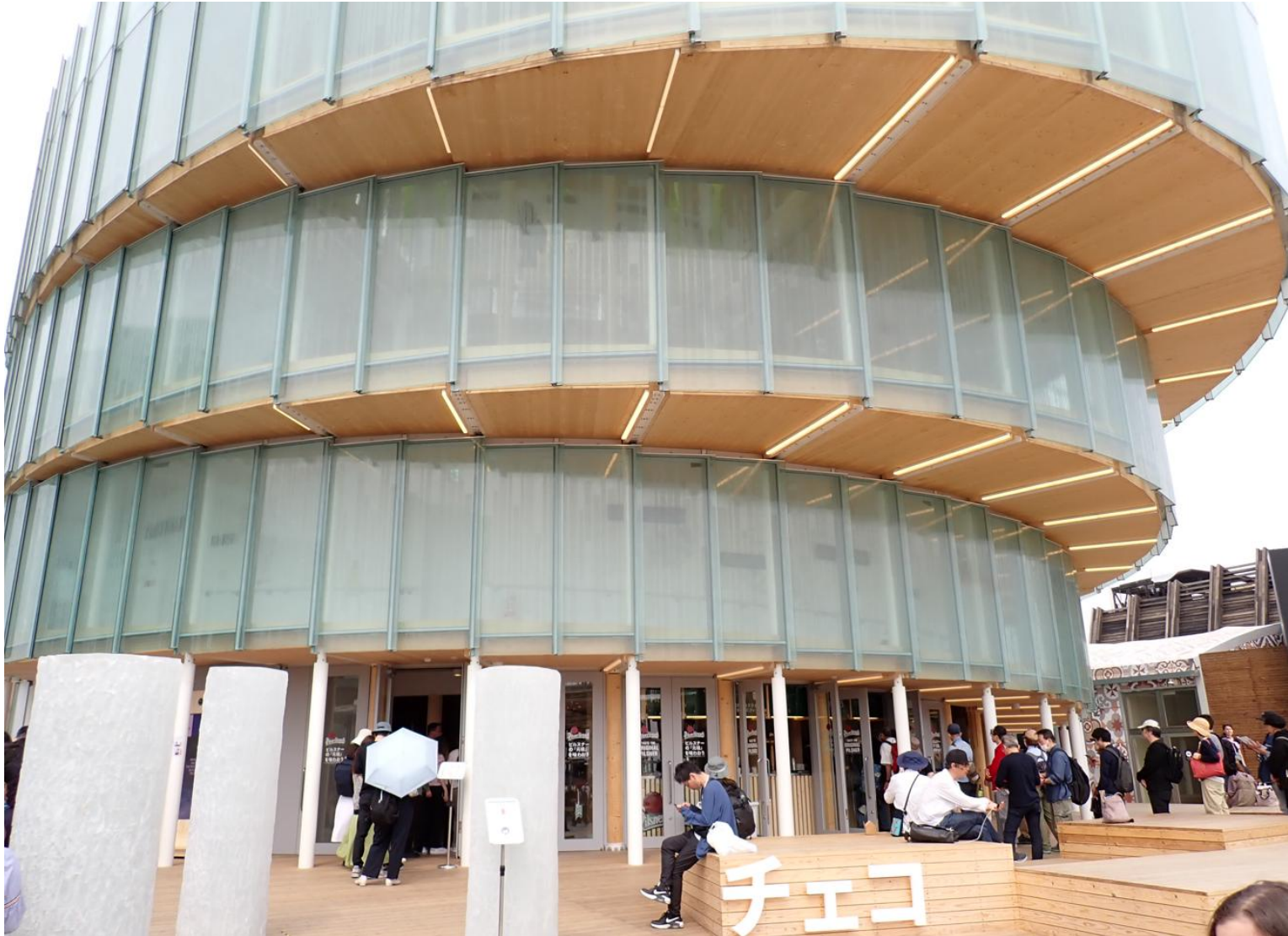
Australia Pavilion:

Parkside Timber & Renewables, a PEFC-certified company, provided Australian hardwood for screening of food and beverage cabins in the Australia Pavilion.



Czechia Pavilion :

A corridor-style pavilion created by blending modern and traditional technologies, with 800 m³ of PEFC-certified CLT from the Czech Republic used for the walls and floors.



Germany Pavilion:

The building consists of seven columnar wooden structures and uses 140 tons of PEFC-certified wood.



Sumitomo Pavilion:

The plywood used for the roofing and exterior walls of the Sumitomo Pavilion is originated from Shikoku forests of Sumitomo Forestry CO., LTD. 1,000 cypress and cedar trees from the SGEN FM certified company's forests are used, and the plywood mill processing these trees are SGEN CoC certified. Thus the plywood used is properly processed according to the requirements the forest certification.



Grand ring:

60% of wood used for the grand ring is Japanese domestic wood and 40% is imported. The imported timber has forest certification.

Example of PEFC-certified wood: 7,000m³ PEFC-certified European red pine is used for posts of the grand ring.



Thank you for your attention.