



**KAGOSHIMA
JAPAN**
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High-quality wooden products made from Kagoshima cedar and cypress

Kagoshima Prefecture
Wood Export Promotion Council



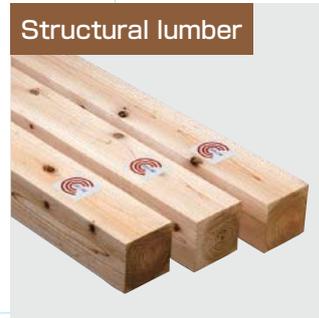
Dimensional lumber



CLT



Structural lumber



Flooring



Cryptomeria japonica



Chamaecyparis obtusa



Glued laminated timber (glulam)



These lumber products are used as construction material,
including structural and interior material.

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* Kagoshima Prefecture Wood Export Supporter name

Japanese cedar and cypress lumber products used in public buildings

■ Providing a pleasant dwelling environment

Kagoshima cedar and cypress lumber products are used not only as structural and interior material for houses but also as structural material for small to medium-sized buildings.

In particular, they are used by preference in public buildings that require the calmness provided by timber, such as educational facilities like schools and nurseries and social welfare facilities like nursing homes.



● School gymnasium (under construction)
*CLT and glulam used



● School gymnasium (completed)



● Nursery (under construction)
*Dimensional lumber used



● Nursery (completed)

■ Creating a modern space

Using Japanese cedar and cypress, it is also possible to design creative, highly fashionable and symbolic buildings. In modern spaces such as this, metal and concrete create a cold atmosphere, but lumber makes for a warm space.



● Wooden trusses at reception building of town office



● Assembly hall building at town office

Kagoshima CLT used in buildings

CLT offers excellent workability

There is a factory in Kagoshima that produces CLT made from Japanese cedar and cypress. This CLT is also used in CLT panel construction as a structural material.

CLT is lighter than reinforced concrete and other such materials and can reduce foundation work. On-site construction is also simple, so it helps shorten the work period.



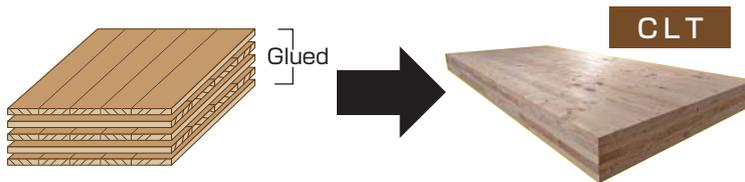
●Housing complex (under construction)
*CLT panel construction method



●Housing complex (completed)

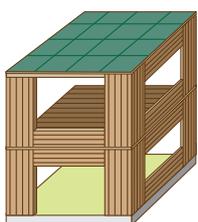
Construction methods using CLT

CLT stands for “cross laminated timber.” It is a wooden construction material that is made from thin boards that are cross laminated.



It is used widely primarily in Europe and the United States in the walls and floors of mid-to-high rise buildings and other buildings. It offers freedom of design, and there are various structural types, including the CLT panel construction method mentioned above.

- (1) CLT used as main structural material (CLT panel construction)
- (2) CLT used partially for the floors, walls, and roof in wooden frame construction
- (3) CLT combined with other construction methods (steel frame + CLT, reinforced concrete + CLT, etc.)



(1) CLT panel construction method



(2) Wooden frame + CLT



(3) Mixed structure (steel frame + CLT, etc.)



●CLT (5-ply)



●CLT panel construction method



●Wooden frame + CLT construction

Kagoshima lumber products used overseas

Japanese-style house constructed overseas

Japanese-style wooden houses are built in Taiwan via the wooden frame construction method using Kagoshima material.

Japanese-style wooden houses have an open feel and are well-ventilated with excellent humidity control, so they are optimal for hot and humid climates and offer a comfortable living space.



● Exterior of house



● Logs used as beams



● Interior of house



● Guest house
(small house less than 45 square meters in size)

Japanese cedar fence material used overseas

Light red Japanese cedar is close in color to Western red cedar, which is popular as an exterior material, so in the United States, it is used in fences around buildings.

Wood is thought to deteriorate easily, but by applying a chemical treatment, it can hold up to time.



● House fence 1



● House fence 2