

H u m i d i t y c o n d i t i o n i n g - n o n i n f l a m m a b l e p a n e l

Ultra-high performance humidity control construction material that protects your collection from deterioration caused by humidity changes

HUMIDITY CONTROL PANEL CLTS

Model: CLTS



Noncombustible Material with High Humidity Control Performance

HUMIDITY CONTROL PANEL “CLTS” is a noncombustible material (NM-4933) with superb moisture absorption and desorption performance, and is certified by the Minister of Land, Infrastructure, Transport and Tourism.

The product itself is in the neutral range and releases very little ammonia, acetic acid, and other harmful substances.

Moisture Absorption

150g/m² or more

Moisture Desorption

140g/m² or more

Product Improvement Considering Integrated Pest Management (Cultural Property IPM)

The surface of panel has been improved to be smoother and flatter, and changed to the ivory color, brighter than the color of previous model, makes it easier to spot insects and other foreign objects.



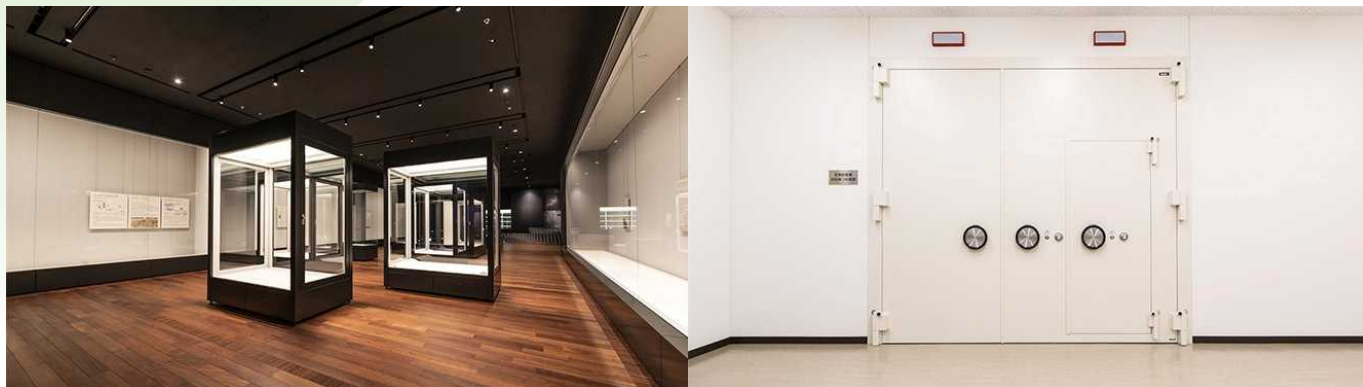
8 mm

Application to Exhibition Room and Exhibition Case

This panel is as thin as 8 mm thick (humidity control material thickness: 2 mm) and can be used not only as the second wall (interior materials) for gallery vault room, but also for exhibition room and exhibition case.

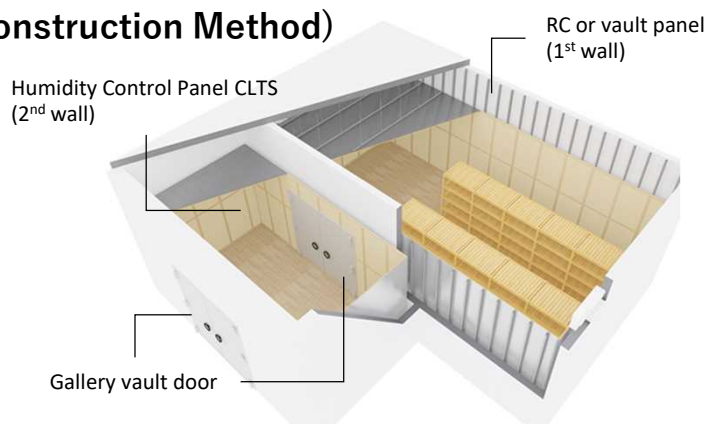
Kumahira provides total support for the preservation of cultural properties with our vault facilities, storage equipment, and exhibition equipment.

To protect "Irreplaceable values," we offer a wide range of solutions for the preservation of cultural properties, from storage to display.



Gallery Vault Construction Method (GV Construction Method)

With the GV construction method, we make an entire gallery vault room impermeable to block moisture and harmful substances from the outside of the room. In addition, Humidity Control Panel CLTS which is installed as an inner wall allows for excellent humidity control and the maintenance of a constant humidity level in the storage area for cultural properties.



Panel Specifications

Model	Nominal Thickness	Dimensions	Net Weight	
CLTS-210a	8(mm)	450 × 900(mm)	2.5(kg/pc)	6.1(kg/m ²)
CLTS-220a		900 × 1800(mm)	9.9(kg/pc)	

Moisture Adsorption *1	Moisture Desorption *1	Ammonia Emissions *2	Acetic Acid Emissions *2	Vending Strengthen *3	Thermal Resistance *3	Flame-resistant Approved
150 or more (g/m ²)	140 or more (g/m ²)	30ppb or less	170ppb or less	7.5N/mm ² 76.5kgf/cm ²	0.063(m ² · K/W) 0.073(m ² h°C/kcal)	NM-4933

*1 The above shows the performance at the time of shipment from the plant. Performance may be deteriorated depending on the surrounding environment.

The difference between the moisture adsorption content and the moisture desorption content is not constant.

It complies with JIS A 1470-1 (middle humidity range).

*2 It complies with JIS A 1901 (small chamber method).

*3 The above values are test values, which do not guarantee the performance.

Specifications are subject to change without prior notice for quality and functional improvements.

Contact us

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