

The comfortable wall gentle
with warehouses
and the earth

The aluminum seat
which stops radiant heat

COOLWALL

Non-combustible heat shield sheet

\ Radiant heat /

97% CUT



MR DAISUKE



It is a heat shield sheet that can be installed on various metal roofs because it can be installed indoors.
It can be installed on a wall exposed to strong sunshine.
Cool Wall is a safe and secure product made of non-combustible material.

Construction example

Before construction

The roof which became hot and a wall are getting revealed.
Therefore, the room temperature becomes high by radiant heat.



After construction

Cool Wall is stuck to the ceiling and a wall.
Radiant heat from a roof is suppressed, so it's possible to lower the room temperature.



Picture of construction

Short time's building is possible by a small number of people because a product is light-weight.

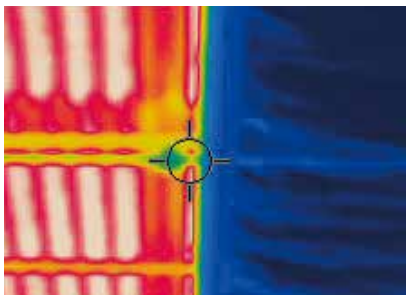




Heat shielding effect / Inspection of the temperature and the illumination

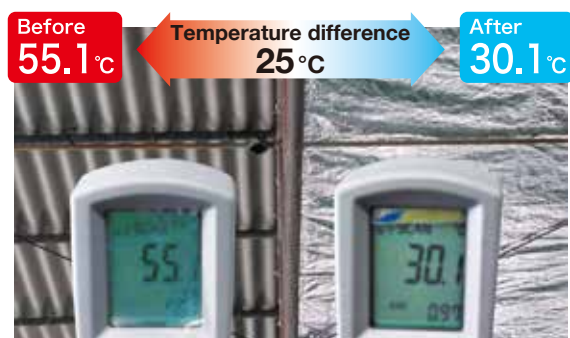
Thermography

It can be confirmed that the temperature difference has occurred after construction before construction. The temperature difference of 20 degrees or more can be confirmed from the thermography.



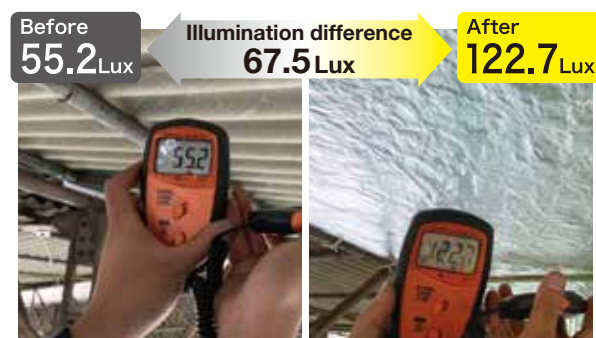
Non-contact thermometer

The temperature difference which can't be confirmed by a thermography is measured. It can be confirmed that there is a temperature difference of about 25 degrees between before and after construction.



Illuminance meter

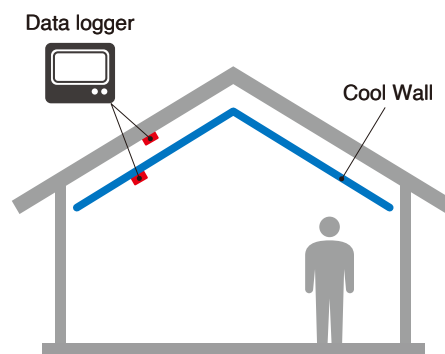
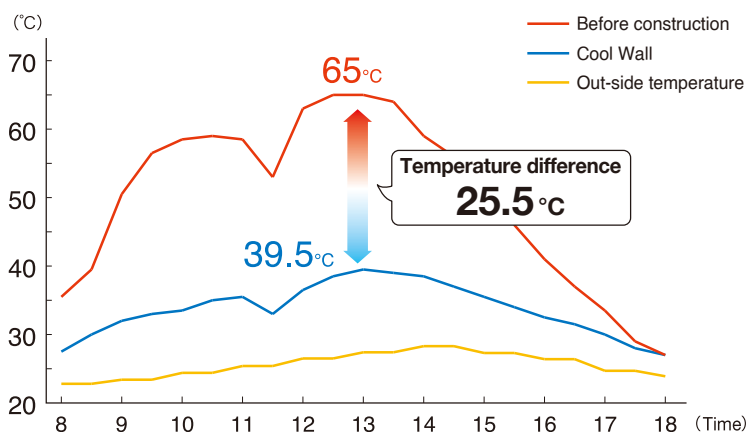
About 55 Lux before construction and about 122 Lux after construction. It can be confirmed that the illuminance has been increased more than twice. It is thought that the indoor illuminance increased due to the reflection of the aluminum sheet.



Data logger

The surface temperature of the attic is about 65 degrees. On the other hand, the surface temperature of Cool Wall is about 39.5 degrees, and there is a temperature difference of about 25 degrees.

Sample : June,20,2020. The highest temperature 28.3 degree



7 features of COOL WALL

Non-combustible heat shield sheet



Radiant heat 97% cut

Indoor is the biggest cause it becomes hot. The radiant heat which isn't stopped is cut with an insulator 97 %.



Incombustible

Non-combustible certification acquired. Certificate No.NM-4139



Temperature reduction

An invasion of heat is suppressed by using for a roof and wall.



Light-weight

Light-weight and strong design. And setting work time is short.



Insulation (winter season)

Heat of heating isn't missed to outside.



Co2 Reduction

Contribute to CO2 reduction by air-conditioning efficiency improvement.



Energy saving

The air-conditioning efficiency improves by the heat shielding effect.

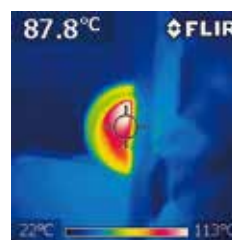
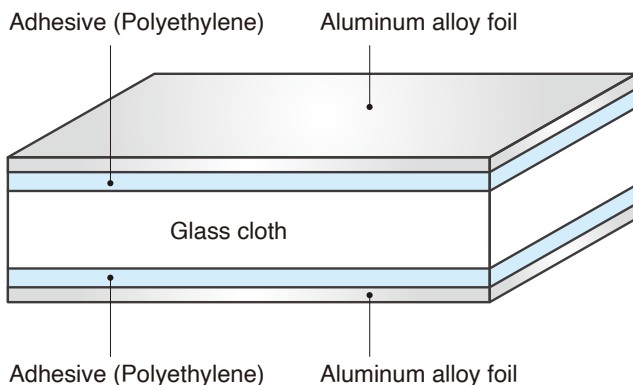
The building use

Roof (Straight roof, Half roof and others)
Wall (Siding, Steel and others)

*Depending on the situation of the building, it may not be able to be constructed.

Wall Partition

Movable partition type.
Shuts off heat from furnaces and machines.
It can also be used for shading of a weld.



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