



Under Development

CHUKOH FLO™

# Radiation heat dissipation sheet

## OUTLINE

Aluminum film with high thermal conductivity is coated with heat dissipation paint with high emissivity and processed into a tape. Heat is diffused by radiation heat dissipation that converts heat into electromagnetic wave (far infrared) energy.

## CHARACTERISTICS

- Heat dissipation from heat-generating components (IC chips, diodes) and housings
- electromagnetic wave shield

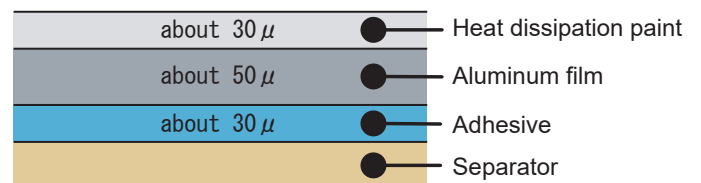
## SPECIFICATION

- Mixing fluorine resin into the heat dissipation paint provides weather resistance.
- Coating with heat-dissipating paint has a cooling effect of about 10% compared to aluminum alone.
- A heat diffusion effect can be imparted by radiant heat dissipation by pasting directly onto the heating element.
- With a total thickness of about 110μ, it can be used in areas where space is limited or weight reduction is required.
- There is an attenuation effect of about 50dB at high frequencies (@1GHz to 6GHZ).

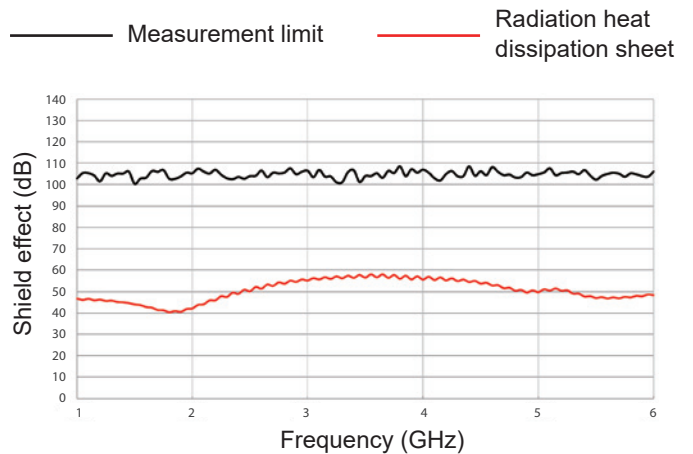
## PERFORMANCE

Test item	Unit	Radiation heat dissipation sheet
Heat-dissipating paint Emissivity	ε	0.91~
Maximum service temperature	°C	150

## COMPOSITION



## ELECTROMAGNETIC WAVE SHIELD EFFECT

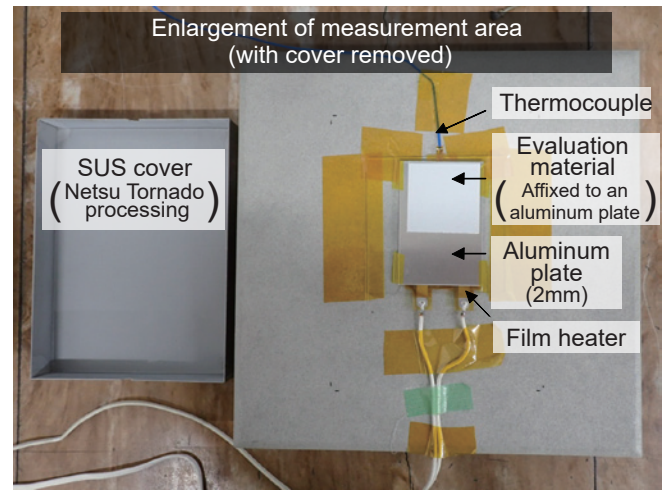
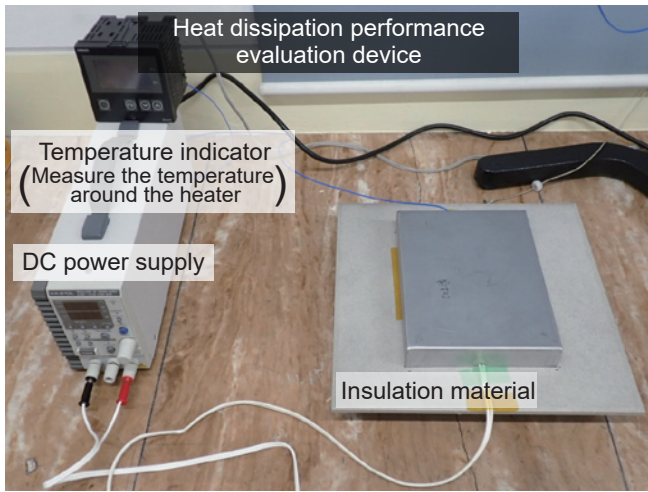


\*Measured by KEC method

\*Values shown in this table represent measurements and do not constitute guaranteed values.

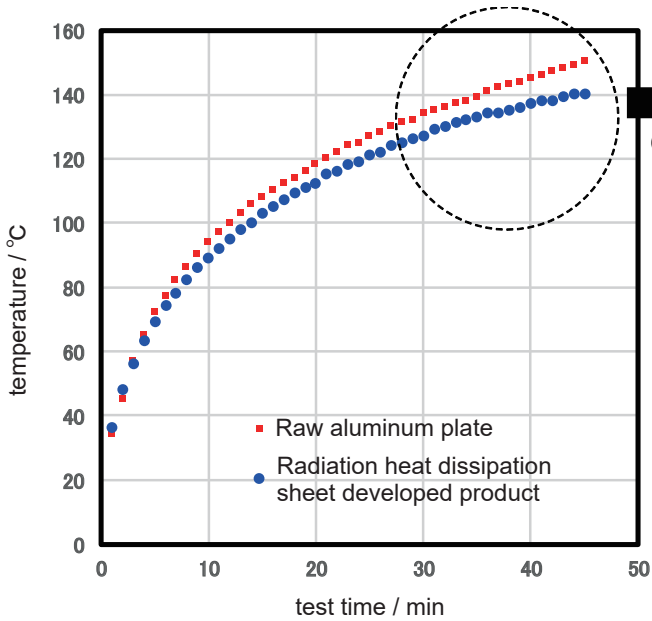
【Test method】

Place the evaluation material on the heater maintained in a steady state and measure the temperature rising process.  
(set to about 150°C after 45 minutes)

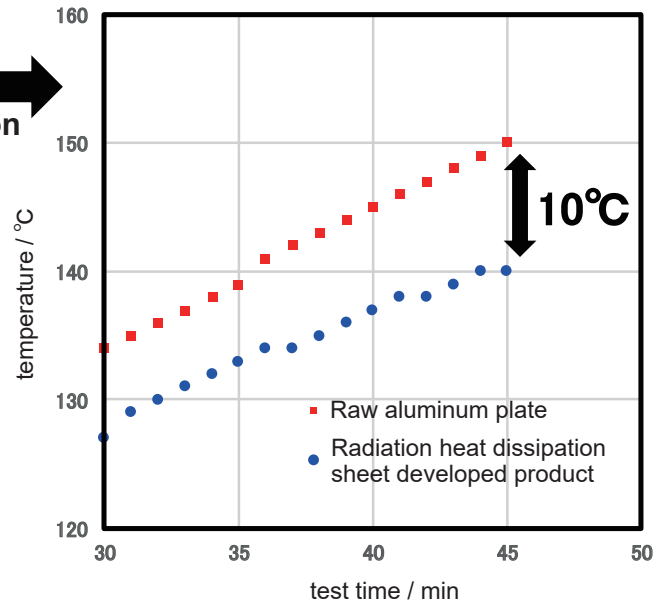


【Test results】

By attaching processed aluminum adhesive tape, the temperature drops by about 10°C (150°C → 140°C).



expansion →



[ Provider: Fluorocoat Co., Ltd. ]

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Caution

- Do not use in applications in contact with the human body such as medical care, etc.
- Dispose products in compliance with the related laws and regulations and absolutely do not incinerate them.
- Do not use the product higher than the maximum continuous service temperature.
- Carefully read the catalog, product safety data sheet ( SDS ), and fluoroplastic instruction manual in order to maintain functions essential to products and use products safely.

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