

GAINA[®]



Bringing Japanese aerospace technology to our lives



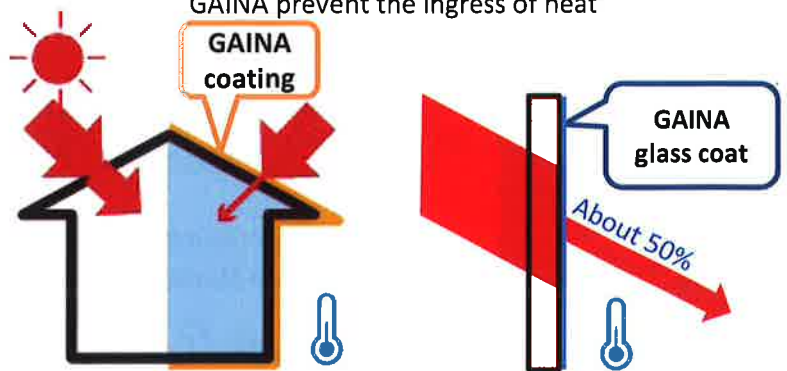
The Japan Aerospace eXploration Agency (JAXA) had developed an insulation paint for the tips of rockets coating, to protect both rockets and satellites from the atmosphere heat.



 **Converted for civil use**

Money \$ave with Energy save

GAINA prevent the ingress of heat



Just paint on walls and roofs!



made in JAPAN



Easy application like a paint

Our technology (GAINA) is registered to Environmental Technology Database of United Nations Industrial Development Organization (UNIDO) Investment and Technology Promotion Office, Tokyo (ITPO Tokyo) (URL: http://www.unido.or.jp/en/activities/technology_transfer/technology_db/)

GAINA contributes to the reduction of Carbon Dioxide (CO2).



SAFETY

- Water-based GAINA is reassuringly safe; GAINA interior received Four Stars evaluation ☆☆☆☆ from Japan Paint Manufacturers Association(JPMA).
- *Four Stars is the highest grade among stipulated by JPMA.

Emission rate analysis result of Aldehyde and Volatile Organic Compound (VOC) from sample
Sample name : GAINA Interior

	Measurement Method	Emission Rate ($\mu\text{g}/\text{m}^2 \cdot \text{h}$)
Aldehydes	Formaldehyde	ND
	Acetaldehyde	ND
VOC	Toluene	ND
	Xylene	ND
	Paradichlorobenzene	ND
	Ethylbenzene	ND
	Styrene	ND



Environment

- GAINA is an environmental friendly water-based coating.
- GAINA is water-based and contains no organic solvents or any other hazardous materials.



Incombustibility

- GAINA is certified incombustible by The Japanese Ministry of Land, Infrastructure, Transport and Tourism.

Registration Number : NM-1194 (incombustible (excludes metal plates))
Registration Number : NM-1904 (incombustible (excludes metal plates))

- Obtained UL 723 certification
American Fire Protection Association and American Institute of Materials Testing Standards

Contact

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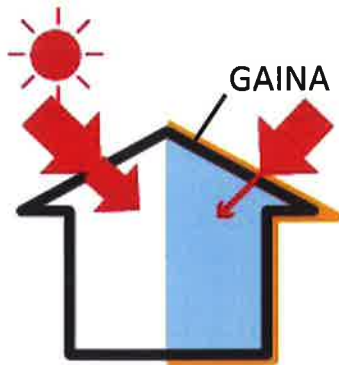
Recruiting local partners

GAINA is economically energy \$aving.



HEAT PROTECTION

- Exterior GAINA coating prevents heat penetration.



Only lets minimum heat transfer.

- Air-conditioning is more efficient with interior GAINA coating.



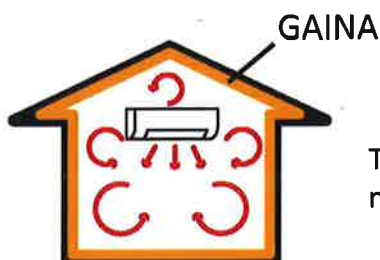
Ceiling and wall surface will adapt to room temperature, makes the room cool faster and high efficiency of air-conditioning usage.

- Exterior GAINA coating prevents heat from escaping.



Low heat Emissions(Radiated Heat)

- Interior GAINA coating improves heat retention.



The temperature of the air and wall surfaces equalize, minimizing heat movement.



COLD PROTECTION

GAINA is an energy cost reduction paint that uses Japanese rocket technology. Just paint it to block the heat from the sun and efficiently cool the room. In cold climates, the room is always warm because the heat of heating is not dissipated outside.



GAINA

The material what Reduce heating and cooling costs. Japanese space technology.