

THERMAL INSULATOR 『 KAMADAN 』

Energy Saving Product

KAMADAN/
Development, distribution and
construction guidance for furnace
insulation sheets

●Energy Saving Product

- 80% suppression of heat dissipation from the surface
- Surface material with excellent water repellency, chemical resistance, and breakage resistance
- Vacuum forming process allows for complex shapes
- Easy to put on and take off, made of highly durable glass felt

Textile dyeing industry



Jet dyeing machine

Food industry



Bottle washing machine

Automotive industry and others



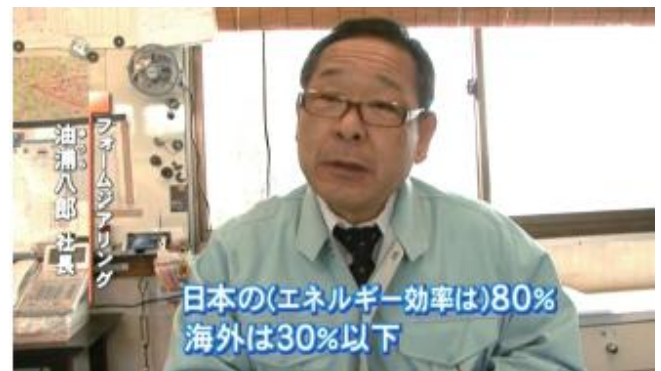
Metal surface treatment machine



Steam header



KAMADAN-Molded product/
Processed product



Our energy saving business in Turkey was covered
in the TV program "The World now" by JETRO

We've got you covered!!!

Dedicated to your company's machinery only Original insulation specification is available

■ KAMADAN's outstanding properties

Four times denser than commonly used grass wool insulation material.
Shape can be maintained only with insulation material, no need for wire mesh or casing.

Excellent workability and constructivity

It retains its shape, so even if it gets wet, it will return to its original shape once it dries. You can also choose surface materials that are resistant to acidic and alkaline chemicals.

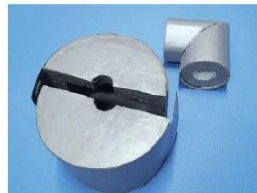
Excellent water resistance, durability, and chemical resistance



Common glass wool



Insulation material used in KAMADAN



Flange and elbow from KAMADAN



Chemical-resistant surface material made of silicone

■ Energy saving effect from heat retention

Reduces the amount of diffused heat radiation from the machine surface by more than 80%, significantly reducing fuel and CO2 emissions.

In the case of Company A, who installed "KAMADAN", they were able to reduce steam usage by 1,575KG/hour. They were able to reduce fuel costs by approximately \$32,000 in one month.



Heat retention effect at company A after "KAMADAN" installation

	Total surface (m ²)	Temp before insulation (°C)	Temp after insulation (°C)	Reduced steam usage (kg/h)	Savings (USD)
Jet dyeing machine (piping part)	560	112.9	60.0	1,497.4	\$22,040
Heat medium boiler	120	84.4	34.9	12.0	\$3,093
Tenter machine (piping part)	58	189.6	60.0	18.4	\$4,747
Tenter machine (valve part)	26	189.6	60.0	8.3	\$2,127
Cylinder (wt small dia)	9	95.3	56.7	17.9	\$267
Cylinder (wt large dia)	12	95.0	60.0	20.9	\$307
		Total		1,574.9	\$32,581

(at 150 yen to the dollar)