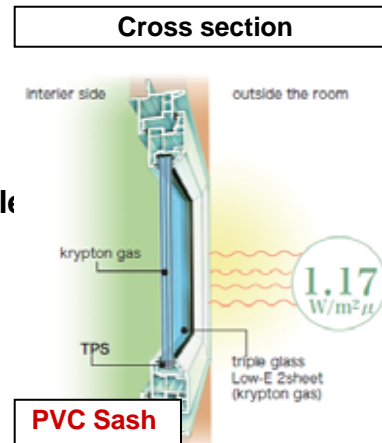


The highest heat insulation and airtightness is achieved by using PVC sashes

◇ Characteristics of PVC sashes

- 1) Superior heat insulation taking full advantage of the PVC material
[heat conductivity 1/1,000 of aluminum]
- 2) Significant energy-saving and CO2 reduction effect
[combination of high insulation sashes and triple glazing]
- 3) Four corners welded to shut out drafts
[Airtight welding possible for resin frames]
- 4) Optimal sound insulation due to airtightness
[Noise is cut by combining with triple glazing]

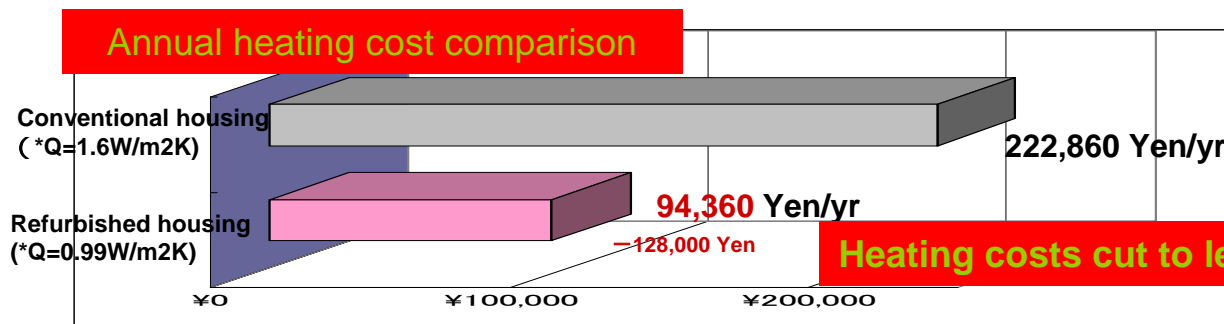


◇ Combining with highly insulated glazing and outer walls brings out the best in PVC sashes

- Low-E glass with metal coating is used to absorb heat energy and to prevent reradiation. Krypton gas, whose heat conductivity is low, is enclosed in triple glazing to maximize heat insulation of the sash.
- ※ the heat transmission coefficient (K), which is an indicator of heat transmission of the whole window, will become 1.17KW/m²·K, which is significantly higher than the figure for aluminum sashes combined with single glazing (6.58 kW/m² · K).
- At the wall surrounding the sashes, steel pillars are wrapped with double insulation to maximize heat insulation.

◇ The utmost heat insulation and airtightness saves energy

Annual heating costs for such housing will be cut down to less than half of the conventional housing.



* Q: heat loss coefficient (the smaller the Q value, the higher the heat insulation performance)

*The annual kerosene consumption (Calculated using 90 yen/liter, for a housing of 164m²)