



Basic technologies to support product quality improvement

Disaster prevention

The Daiwa House Group has developed proprietary earthquake-absorbing housing that prevents seismic forces from being conveyed to the building, in addition to earthquake damage-resistant structures in which the entire structure accommodates and withstands seismic forces. Our life-size model tests have verified that by combining our unique earthquake-absorbing technologies, seismic forces equivalent to those recorded during the Great Hanshin Earthquake (M7.3) can be reduced to 1/8 to 1/11 their original levels.* In addition, improvements in earthquake-absorbing capabilities can directly assist in reducing the secondary damage caused by toppled furniture and property destruction.

* Values based on quake simulation tests by Daiwa House Industry

Energy conservation

We encourage the construction of houses that comply with next-generation energy conservation standards, enabling the costs for heating and air conditioning to be halved in comparison with houses meeting conventional standards.* We also promote the adoption of solar power generation systems in the houses that we build and sell. In addition, we also engage in a wide range of research related to natural energy and efficient energy use, including the development of wind power generation systems and experimental studies geared to the adoption of fuel batteries.

* The new energy conservation standards

Security against burglary

The incidence of household burglaries has increased 50% over the past five years. In response, we have developed a number of burglar-proof methods, including multi-layered glass with 24 times the strength of ordinary single-pane windows,* doors with features that protect against lock picking and the adoption of multiple burglary-prevention features. In addition, our Group is one of the first among the major housing manufacturers that has adopted, in January 2005, the official burglary prevention standards for building components with strong performance in preventing break-ins.

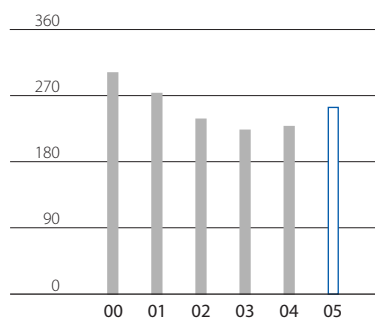
* The special glass panes have been used in all windows on the first floor.

Health

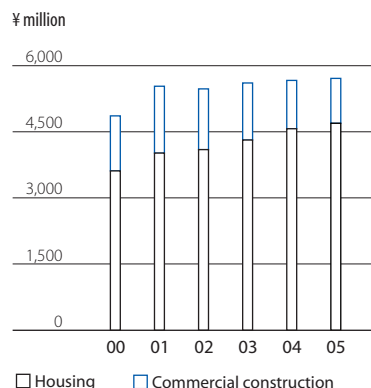
In addition to playing a leading role in the industry in preventing "sick house" syndrome, we have adopted products that comply with the world's highest RAL* standards of Germany and established in-house standards that are more stringent than the amended Building Standards Law. As such, we use only selected interior finishing materials, including base materials, which emit only extremely negligible quantities of harmful substances. We have also developed and adopted unique ventilation and purification systems, to enhance the air quality inside houses.

* RAL: The German Institute for Product Quality Labeling

Number of personnel in the R&D division



R&D expenditure



Cumulative number of patent applications by Daiwa House (publicly announced, non-consolidated basis)

