

We began evaluating the durability of exterior walls and tiles in homes.

Nissenken cares your desire to protect your precious home.

We have recently begun tests to evaluate the durability of exterior walls and tiles in homes.

In the past, as part of our disaster prevention and safety evaluation project, we have evaluated the durability of road signs and evacuation guidance signs. Utilizing this know-how, we will apply it to new residential facilities.

We are taking on the challenge of conducting new evaluation tests to ensure the safety and quality of our food, clothing, and housing, which form the basis of our daily lives.



The following is a freeze-thaw tester.

We evaluate the durability of materials mainly in cold and hot environments.

Testing Machine Overview



In the test layer

MIT-692-1-02 manufactured by Marui Co., Ltd.
Freeze-thaw tester

Full view of the apparatus

Characteristics

- ☛ Samples can be placed repeatedly and intermittently from cold to hot environments. Temperature setting ranges from -25.0 to +60.0°C.
- ☛ It is possible to reproduce the conditions of freezing and thawing in water and air as well.
- ☛ The maximum number of cycles set is 9999, and the maximum operating time set is 100 hours.

Subjects to be Tested

- ☛ Mainly used to observe the resistance to the freezing and thawing effect of inorganic materials manufactured in plate form used for the exterior of buildings, etc. The applicable standard is JIS A 1435, "Method of test for resistance of exterior materials of buildings to freezing and thawing."
- ☛ Not limited to standards, the condition of the testing machine enables observation of changes and durability under repeated temperatures and cooling conditions of the material.
- ☛ For example, it can be applied to such materials as tarps, banners, or plastic materials that are used externally in cold regions, parasols that are used on the seaside in mid-summer, and materials used in large commercial refrigerators.
- ☛ Of course, we continue to test conventional road signs and evacuation guidance signs.

In addition, we would like to propose various conditions to meet your requirements.

For inquiries about this matter, please feel free to contact us

Tokyo Laboratory Tateishi Lab Disaster Prevention and Safety Evaluation Team

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