

QUALITY ASSURANCE



Tostem is committed in developing the best products to meet customers' requirements. Detailed inspections are carried out during design and testing stages to assess criteria such as basic performance, durability, and weather resistance among others. Only designs that pass strict quality control tests are made available for delivery to customers.

Tostem Thailand applies the same quality standards to those that are used in Japan. Our production procedures involve rigorous safety management and quality control. A testing facility situated in production plant ensures that all products are regularly tested in order to maintain our standards.



WATER TIGHTNESS TESTING

Indicates the rate at which a window can prevent the infiltration of rain water. The objective is to help select a watertight performance that can prevent interior damage from water intrusion into a room.

AIR TIGHTNESS TESTING

Indicates how much air can pass through gaps between frame and panel of windows and doors. The objective is to evaluate the level of air coming into a room. This performance is also related to dust prevention, sound insulation and thermal insulation.

WIND LOAD RESISTANCE TESTING

Indicates at what level windows and doors can bear the wind load. The objective is to ensure that selected windows can resist a level of wind load in area and height without any loss, cracking or breakage.





SOUND INSULATION TESTING

Indicates a level of sound blocked out from outside to inside. The objective is to measure the level of sound that can be insulated by a window. Each project may have different sound insulation level requirements.

DURABILITY

All products are tested against durability. The objective is to ensure that products will last with repeated closing and opening surpassing JIS A4706



MATERIAL TESTING

Indicates tensile and compression strength to verify durability of aluminum bar and hardware.

ENVIRONMENTAL TESTING

Indicates ability in preventing outside temperature penetration.



SUNSHINE WEATHER TESTING

Indicates environmental endurance which includes sunlight and UV tests to verify surface coating performance.

LIGHT IRRADIATION TESTING

Indicates environmental endurance on infrared heat test to check material condition under heat exposure to see signs of deformation or changes.

