

Isolation System simply arranging on the floor **Isolator for Museum**



It's Only 3mm.



PATENTED



Features of μ-Solator

- In any earthquake, seismic intensity can be reduced to 100gal or less (seismic intensity 4)
- 2 3mm thickness can keep the appearance of the object.
- With the optimal friction factor of 10%, μ-Solator™ does not work unnecessarily in a daily life.



Isolator for Museum

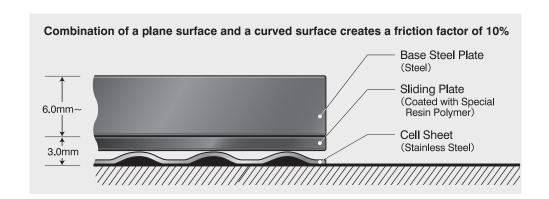
Most Simple Isolation Device

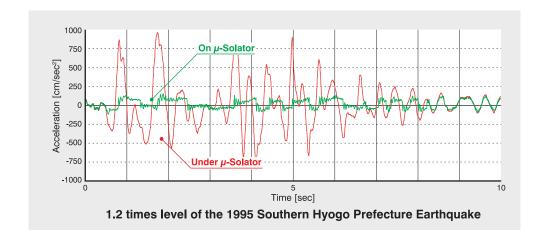
Isolation needs to be activated, without working in a normal situation, only in a large earthquake having an acceleration of 100cm/sec2 or more.

This is achieved by μ -SolatorTM with the optimal friction factor of 10%.



3D Shaking Table Experiment







Installation in a Museum

Standard Set and Specifications



Items	Cell Sheet	Sliding Plate	Base Steel Plate
Size	500 mm \times 500 mm $t=1.3$ mm	500mm × 500mm t=1.6mm	Order made t=6.0~12.0mm
Weight	2kg	3kg	Less than 50kg
Material	Stainless Steel	Steel *Coated with Resin Polymer	Steel



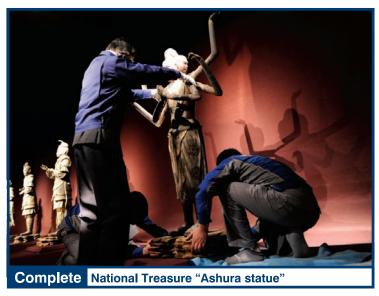
Installation for Display Stand

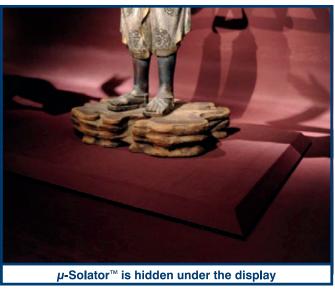
 μ -Solator arranged only under the display stand can achieve Isolation at low cost. Compared with a conventional isolation system of this kind, with the thickness of the thinnest in the world, μ -Solator can keep the appearance the bject



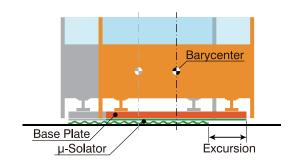








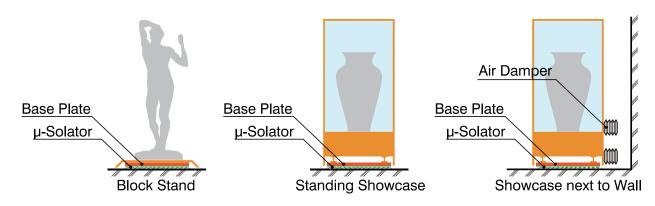
Setting Exhibits



When using μ -Solator for the display, a base steel plate shall be attached to μ -Solator for purposes below.

- 1. Stabilizing an action of the light object by functioning as a weight.
- 2. Preventing the sliding plate from being bended and from contacting the floor.

Elevation View of Exhibition Stands





Installation for Entire Rooms

Isolation can apply to an entire floor of the exhibition room and the storage room.

μ-Solator™ does not have a restriction from the ceiling height, accordingly Isolation can apply to almost any kind of rooms.

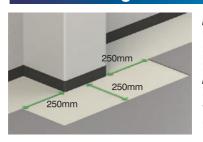








Surrounding circumstances



μ-Solator moves within the range of approximately 250mm during an earthquake, Therefore, μ-Solator™ shall be installed at a position separated from the wall and/or pillar at a distance of 250mm or more (rcommended distance) therebetween.

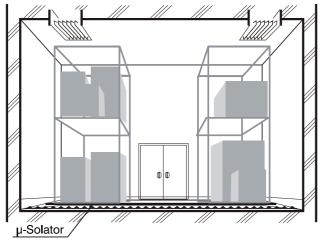
Unexpected earthquake



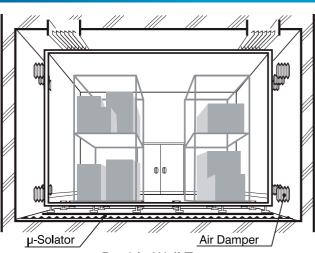
Air Damper

In the event that an unexpected earthquake occurs, an air-damper absorbs the shock and minimizes damage.

Elevation View of Entire Rooms



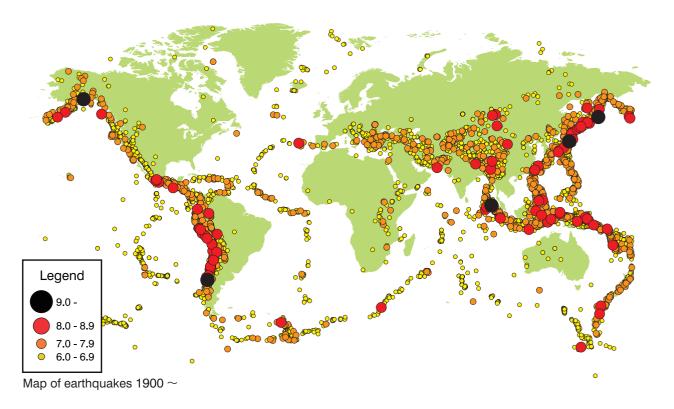
Unloading-on-Floor Type



Double-Wall Type

When does an earthquake occur?

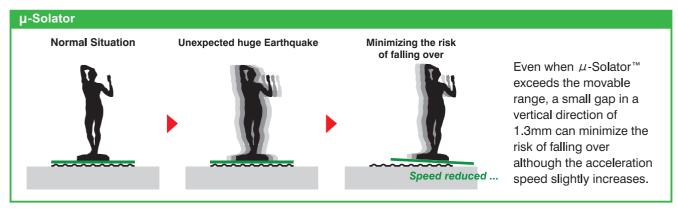
Earth is an active place and earthquakes are always happening somewhere. Major earthquakes, greater than magnitude 7, happen more than once per month. "Great earthquakes", magnitude 8 and higher, occur about once a year.



μ-Solator design includes a "Fail-Safe" factor.

"The shake" has occurred beyond the scope of our assumption.







Specifications

Isolation Mechanism	Sliding Isolation	
Size	μ-Solator™: 500mm × 500mm, t=3mm Base Steel Plate: 500mm × 500mm, t=6.0~12.0mm *Difgferent size can be treated as a special order.	
Isolation Capacity In any earthquake, seismic intensity can be reduced to 100gal or less (excluding moin a vertical direction and pulse response).		
Displacement Limits	±250mm (Recommended)	
Load Limits	100 tons per m ² (Concentrated limit is 1 ton per leg)	
Maintenance	Maintenance Free	
Warranty	1 year after delivery date	
Note	*No warranty is provided for objects being placed on μ-Solator™. *No generations of zinc whiskers. *Specifications are subject to change without notice.	
Patents	The <i>μ</i> -Solator [™] products are protected by patents in the United States and elsewhere. US Patent Nos. 9,212,480 9,175,490	



Notice

- 1 µ-Solator™ is the system that reduces horizontal vibrations causing a falling over by an earthquake. µ-Solator™ is not applicable to vibrations in a vertical direction by an earthquake, mechanical vibrations, and vibrations without causing a falling over. Those vibrations are out of scope of the performance of μ -Solator^{\top}.
- 2 μ-Solator™ is the system reducing the risk of falling over by an earthquake and therefore no damage is assured.
- 3 µ-Solator™ shall be surrounded by an operational space for not interfering with other objects during an earthquake and the operational space shall be empty. The performance of µ-Solator™ may deteriorate and may lose its function if µ-Solator™ moves beyond the operational space during an earthquake.
- 4 After a large earthquake has occurred, the situation of the object shall be checked. μ-Solator™ may have a residual displacement and, if the displacement is observed, please contact below.
- 5 Do not push the loaded object carelessly. The object may move suddenly.
- 6 Due to a defect of the base portion (free access floor, slab etc.) and obstacles therefrom, there may be cases where µ-Solator™ does not
- 7 When μ -Solator[™] is installed on 6th floor or above, verification of the installation shall be carried out.
- 8 When μ -Solator[™] is removed and reused, cleaning treatment is recommended (extra charge).
- 9 Please feel free to contact us if you have any questions.



Delving into The Power of Nature. -Ideal Brain Co.,Ltd.

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