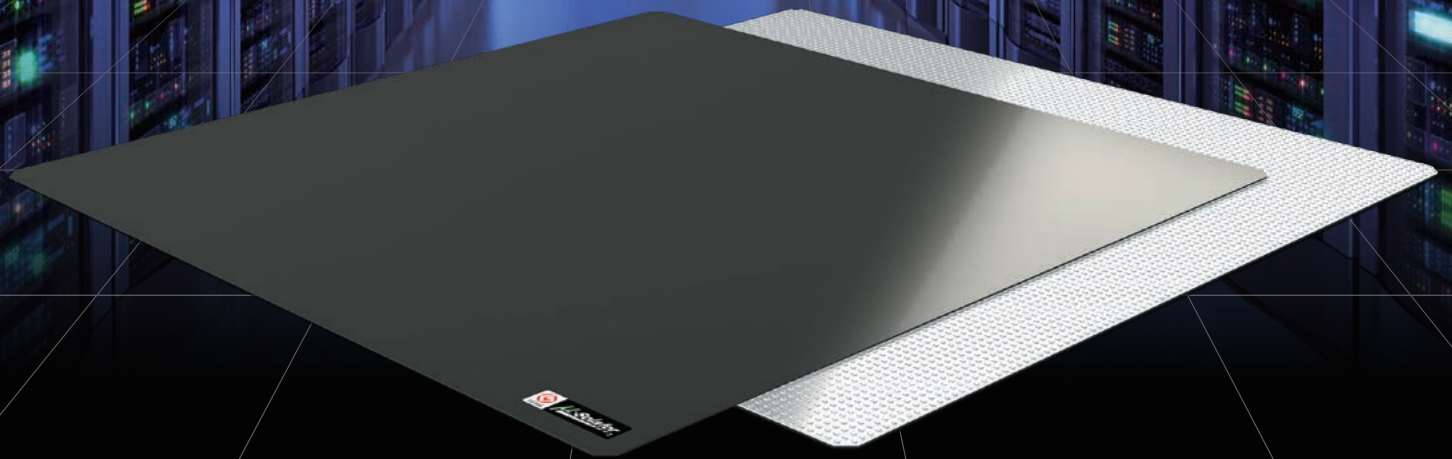




# **μ-Solator**

ミューソレーター **TM**



## It's Only 3mm.



**PATENTED**



The Thinnest in the World.  
**Features of μ-Solator**

- 1** In any earthquake, seismic intensity can be reduced to 100gal or less (seismic intensity 4).
- 2** No wire entanglement under the floor, space for cool air is almost 100% available.
- 3** With the optimal friction factor of 10%, μ-Solator does not work unnecessarily in a daily life.

**The most simple Isolation Device**

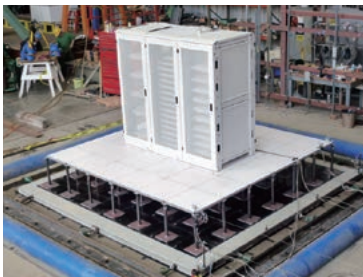
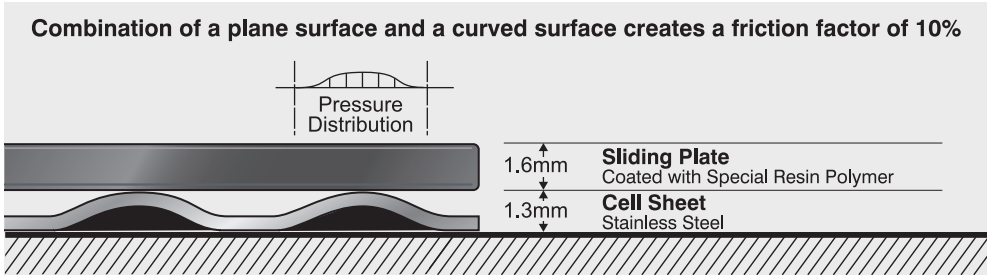
μ-Solator™ is a simple isolation device comprised of 2 metal sheets placed on top of each other and can apply isolation only to a limited area.

Isolation needs to be activated, without working in a normal situation, only in a large earthquake having an acceleration of 100cm/sec<sup>2</sup> or more. This is achieved by μ-Solator™ with the optimal friction factor of 10%.

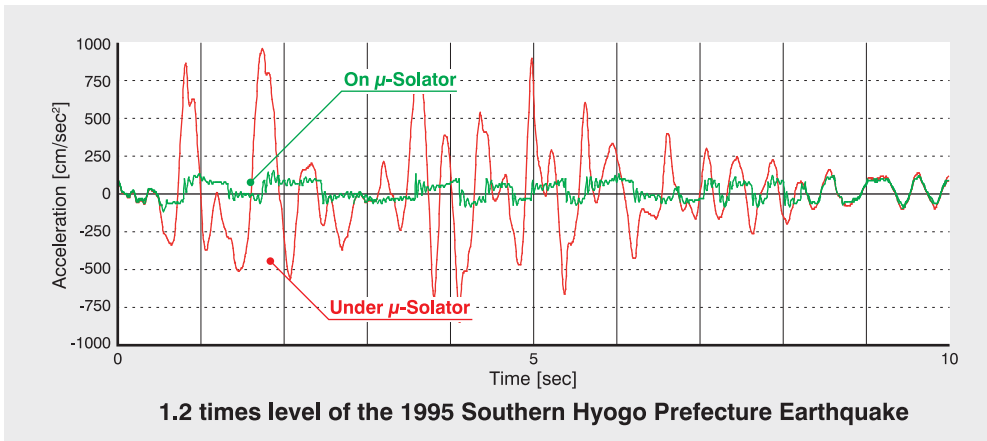
Optimal friction factor of 10% for Isolation



700mm high raised floor (test piece)

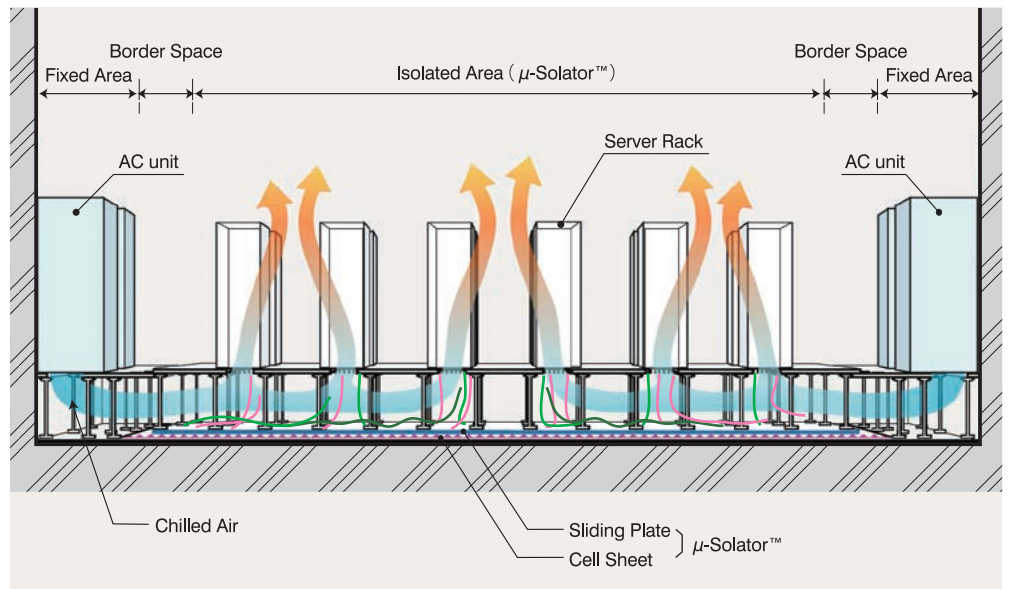


Shaking table test.



**Flexible wiring /Space for cool air is almost 100% available**

Structure without using cannell member and shape plate enables flexible wiring work.





# μ Data Center Floor Covering



1 Install μ-Solator™



2 Construction of Raised Floor



3 Construction of Border Space



4 Cover Border Space

## Construction Example



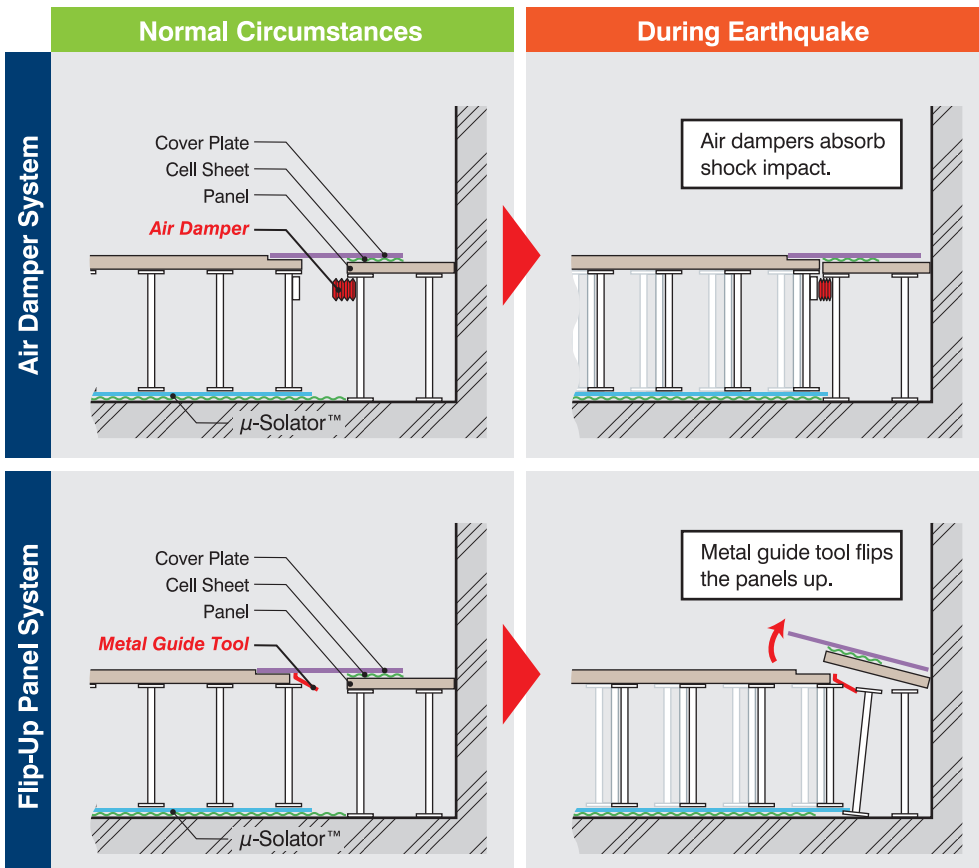
Data Center (Osaka)

Simple structure provides flexible wiring and good ventilation.



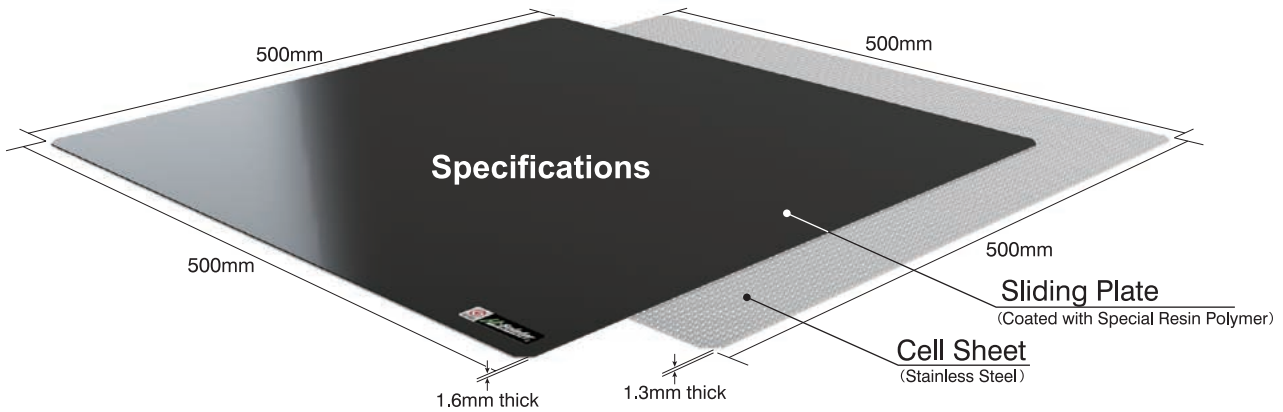
Install μ-Solator™ below the supporting leg.

## Fail-Safe System to Meet Potential Large Earthquake \*Optional



Air damper absorbs shocks.

Panel and cover plate are flipped up by metal guide tool and thereby enlarges displacement.



Specifications

Isolation Mechanism	Sliding Isolation
Isolation Capacity	In any earthquake, seismic intensity can be reduced to 100gal or less (excluding movement in a vertical direction and pulse response).
Displacement Limits	± 250mm (Recommended)
Load Limits	100 tons per m <sup>2</sup> (Concentrated limit is 1 ton per leg)
Maintenance	Maintenance Free
Warranty	1 year after delivery date
Note	<ul style="list-style-type: none"> <li>*No warranty is provided for objects being placed on μ-Solator</li> <li>*No generations of zinc whiskers</li> <li>*Specifications are subject to change without notice</li> </ul>
Patents	The μ-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™.
- 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 work.
- 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.

**NOTE**

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