# THE FOUNDATION OF MODERN OFFICE

## *Magnesium Sulfate Raised Floors*

*The Next Generation of Flexible Flooring*



MIRA®

MIRA SAITO RAISED FLOOR SYSTEM

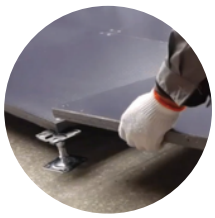
# REIMAGINING WORKSPACE INFRASTRUCTURE

## *Adapting to the Speed of Business*

Modern offices are no longer static. As teams grow, technologies evolve, and layouts shift, your building's infrastructure needs to keep pace. Traditional flooring traps your power, data, and HVAC systems in concrete, making renovations costly and disruptive. The demand for flexible, high-performance office environments requires a new structural approach.

## *The Magnesium Sulfate Advantage*

Our Magnesium Sulfate Raised Access Floor is engineered specifically for the flexible office. By creating a highly accessible, concealed plenum space below your feet, you gain total freedom to route cables and air distribution exactly where they are needed—without sacrificing the premium feel of a solid floor.



### *Ultimate Layout Flexibility*

Easily reconfigure power outlets, data cables, and workstations. Panels can be lifted and replaced in seconds, reducing renovation downtime from weeks to hours.



### *Superior Acoustic Comfort*

Unlike hollow steel or wood-core panels, the high-density magnesium sulfate core absorbs impact. It significantly deadens footfall noise and vibration, creating a quieter open-plan office.

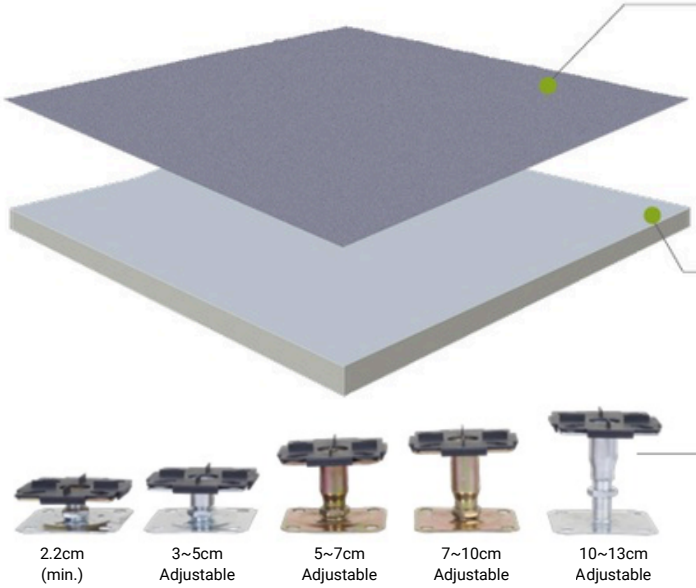


### *Uncompromising Fire & Safety*

Magnesium sulfate is inherently non-combustible. Our panels provide exceptional Class-A fire resistance and do not emit toxic smoke, ensuring maximum life safety.

# ENGINEERING SPECIFICATION

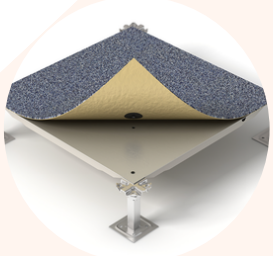
Built to accommodate rigorous commercial demands, our panels integrate seamlessly into architectural structural grids.

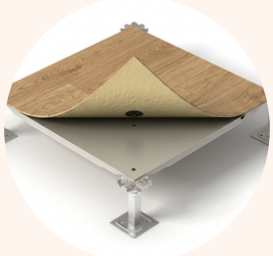



| Product Name | Size (mm) | Fire Performance | Concentrated Load | | | N Impact Load | N Ultimate Load | N Uniform Load |
|---|---|---|---|---|---|---|---|---|
| | | | LB | N | Kg | | | |
| FS662 HDW(Q) | 600*600*28 | A | ≥662 | ≥2950 | ≥301 | ≥445 | ≥8850 | ≥12500 |

# PREMIUM APPLICATION

Designed to integrate flawlessly into Grade-A Corporate Offices, Control Rooms, and Educational Facilities. Our bare panels accept a wide variety of modular top finishes, providing a perfectly level substrate for premium carpet tiles, luxury vinyl tiles (LVT), or material of your choice





Modular Top Finish (Carpet/LVT)

Magnesium Sulfate Core Panel

Steel Substructure Grid

# THE MAGNESIUM SULFATE *EVOLUTION*

While traditional steel-concrete panels have been the industry standard for decades, our **Magnesium Sulfate** core addresses their most persistent limitations, offering a significantly more refined installation and user experience.

| Feature | Magnesium Sulfate Core | Traditional Steel-Cementitious |
|---|---|---|
| **Surface Flatness** | Precision-machined, perfectly level. Ideal for luxury vinyl and large-format finishes. | Prone to minor crowning or cupping as internal concrete cures. |
| **Corrosion Risk** | 100% rust-proof and non-metallic structure. | High risk of rust if the outer epoxy coating is scratched. |
| **On-Site Cutting** | Clean, fast, and spark-free. Safe for plenum modifications. | Requires metal blades; creates hazardous sparks and jagged edges. |
| **Acoustic Profile** | Solid, deadened impact sound mimicking a poured concrete slab. | Can produce a hollow, metallic resonance under heavy foot traffic. |
| **Handling & Weight** | Optimized weight-to-strength ratio reduces labor fatigue. | Heavy dead weight slows down installation and maintenance. |

# *READY TO ELEVATE YOUR WORKSPACE?*

*Future-proof your next commercial development with infrastructure built for change. Contact our engineering team for detailed technical submittals, load-bearing test reports, or commercial pricing models tailored to your project scale.*



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