

# HUIYA EG 800

## LIGHT-800LBS (EG800) TECHNICAL DATA SHEET

The HUIYA EG800 Encapsulated Galvanized Steel Calcium Sulphate Raised Access Floor offers exceptional fire and load resistance, excellent sound absorption, and stability in humid environments. It is suitable for a variety of interior applications requiring an elevated system. It also offers high technical and aesthetic adaptability. Composed primarily of calcium sulphate as the main substrate, This Raised Access Floor system is widely used in office environments and demonstrates excellent impact resistance. It offers outstanding fire resistance, producing no toxic gases when exposed to fire, ensuring safety in office environments. Environmentally friendly and healthy, with no formaldehyde or radioactive substance emissions, complying with national green building material standards.



Outstanding static and live load performance



Panel design allows for fast and precise installation



Non-Combustible



Moisture Resistant

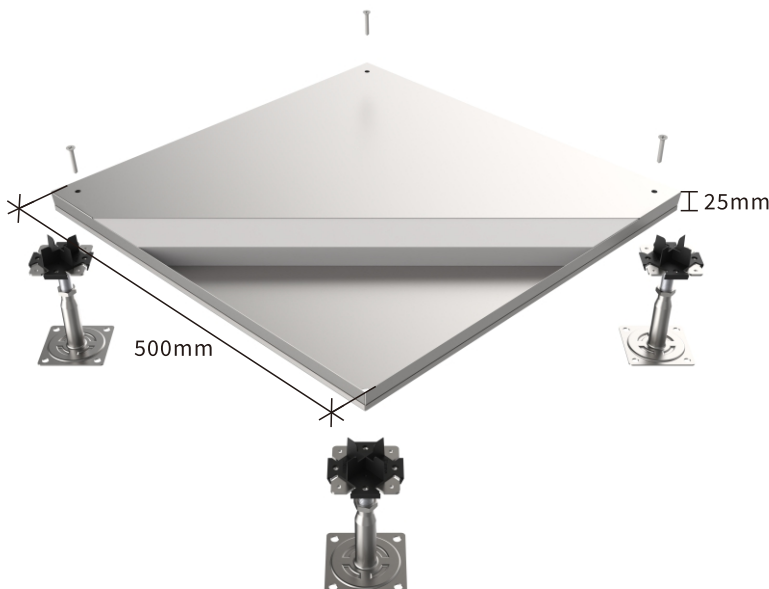


Patented design features create a quiet and comfortable underfoot solution



Excellent Earthing Continuity

## HUIYA EG 800 SYSTEMS



### PANEL DIMENSIONS:

Size: 500x500mm

### PANEL THICKNESS:

DEPTH 25mm

### PANEL CORE:

High-density calcium sulfate substrate ( $1600\text{kg/m}^3$ ).

### CORROSION RESISTANT PROTECTION:

Galvanized steel plate with anti-rust varnish coating on the surface.

### BARE FOR FINISHING:

The raised floor is fixed with screws and various types of floor coverings can be laid after installation.

### TOLERANCE:

$\pm 0.25\text{mm}$  and a flatness tolerance of  $\pm 0.5\text{mm}$  measured on a diagonal across the top of the panel finish.

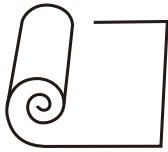
### PEDESTAL:

Solid and stable raised access floor structure consisting of steel pedestals, stringers (optional) and screws reaching heights from 60mm to 2000mm.

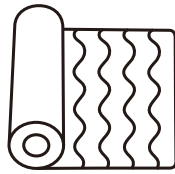
### SOUND INSULATION GASKET:

Each pedestal contains flame-retardant sound insulation gasket to reduce friction between the metal pedestal and the metal raised access floor, thereby reducing noise generation.

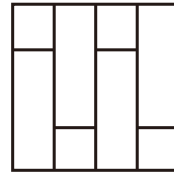
# SUITABLE FINISHES



Carpet



Vinyl



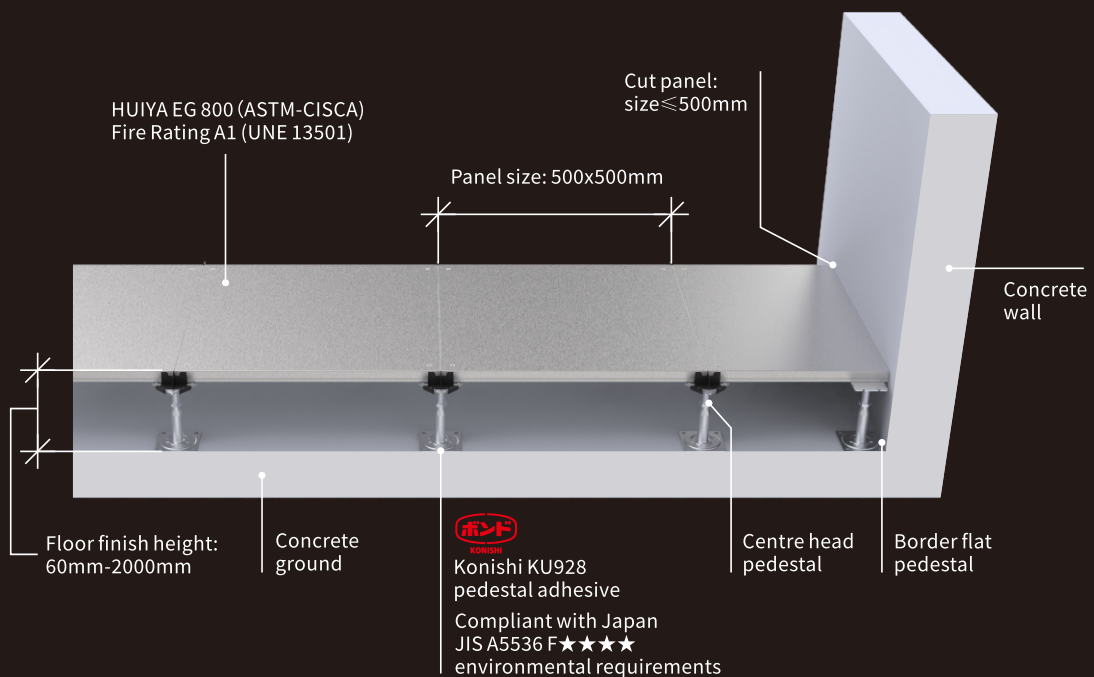
Plank Wood



Rubber

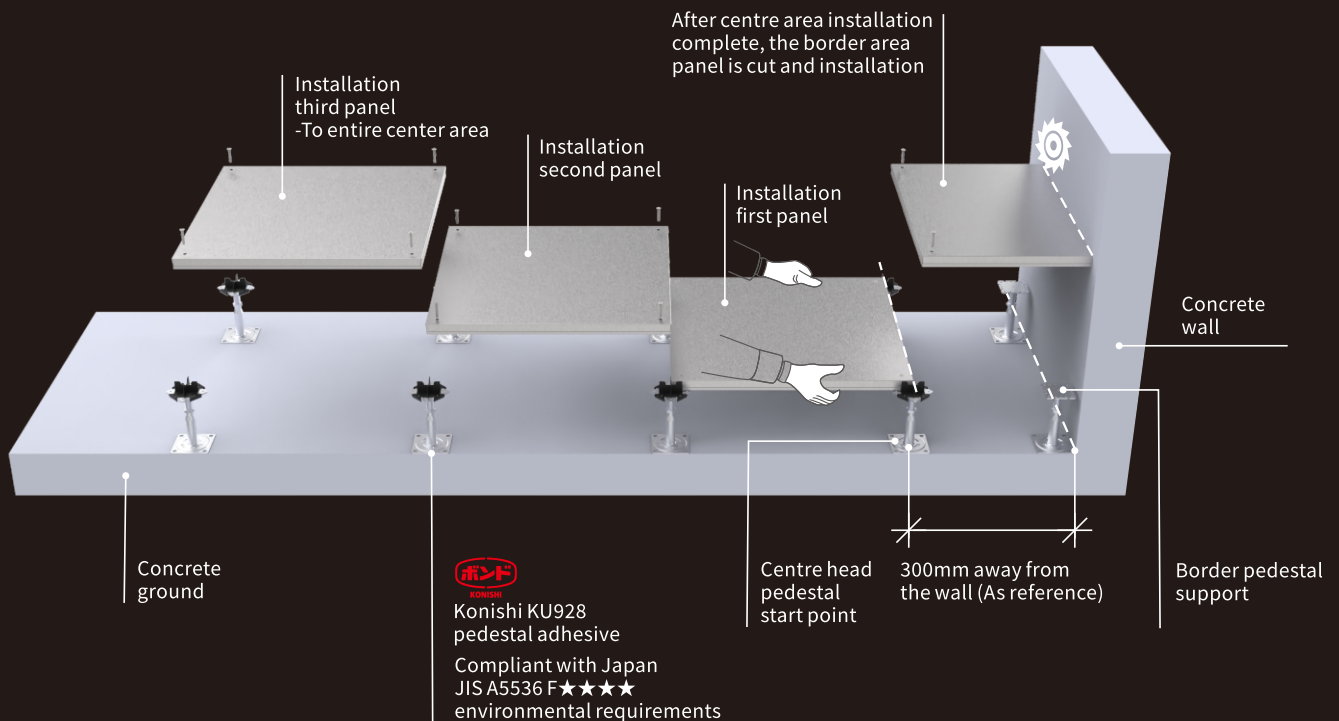
# ASSEMBLY INTRODUCTION

**HUIYA RAISED ACCESS FLOOR** is extremely easy to install on indoor construction sites. Each **RAISED ACCESS FLOOR** is fastened with screws, and the pedestal at the bottom of the floor is height-adjustable. This system ensures fast and efficient installation. The pedestal head features a black positioning gasket, providing unique sound insulation and vibration damping properties. The pedestal base is bonded with Japan's **KONISHI KU928** pedestal adhesive, which is environmentally friendly and formaldehyde-free.



# INSTALLATION METHODS

1. Measure the length and width of the room. For example: the room length is 6800mm and the floor size is 500mm. By calculation, 13 pieces of 500mm full-size panels+one 300mm cut panel are needed (500mm is split into 300mm and 200mm for wal edge installation). The same principle applies to room width direction measurement.
2. Start installation the full size raised access floors panel 300mm away from the wall in the length direction. After installation 13 pieces, measure the remaining two perimeter areas and cut the panels to fit the wall line, and finally installation of the edge panels is completed. The same principle applies to width direction.



# AREAS OF APPLICATION



Commercial Office Buildings



Banks



Learning Institutions



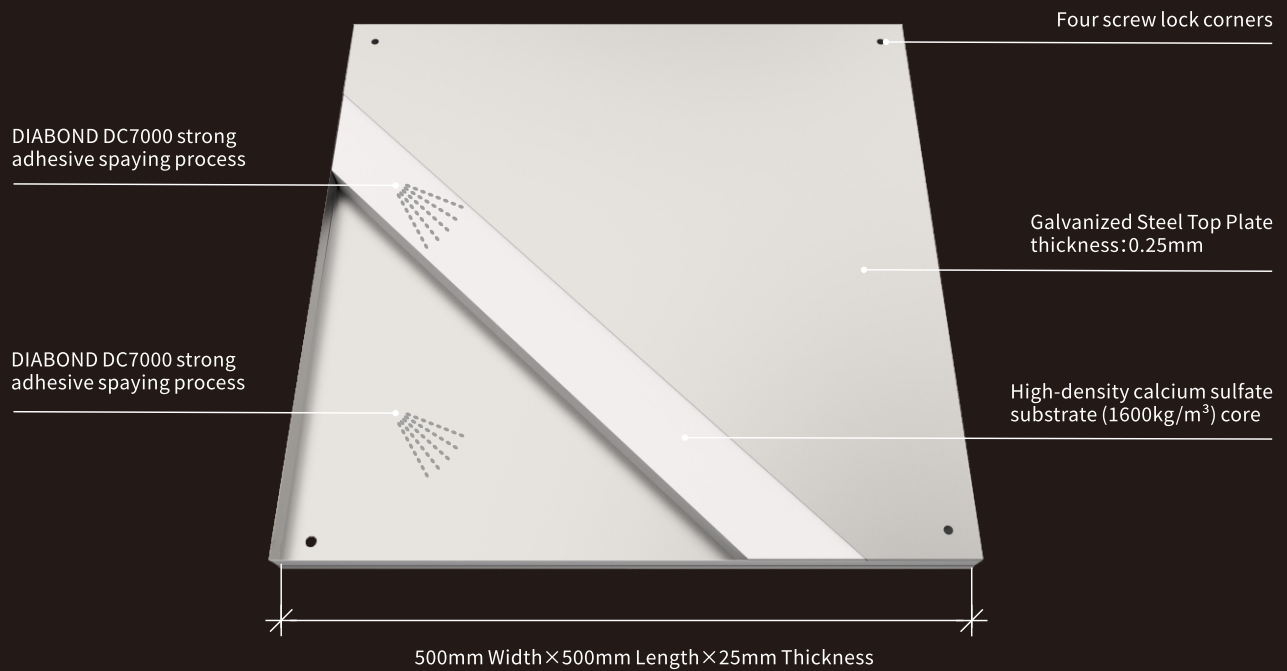
Libraries



Casinos

# BARE EG 800 PANEL INTRODUCTION

|                                                           |    |                                                                 |
|-----------------------------------------------------------|----|-----------------------------------------------------------------|
| ★ Galvanized Steel Top Plate thickness                    | mm | 0.25                                                            |
| ★ Galvanized Steel Bottom Plate thickness                 | mm | 0.25                                                            |
| ★ Core                                                    |    | High-density calcium sulfate substrate (1600kg/m <sup>3</sup> ) |
| ★ Glue                                                    |    | DIABOND DC7000 strong adhesive (JAPAN)                          |
| ★ Weight per panel                                        | kg | 10.4                                                            |
| ★ Weight per sqm (Structure finish height included 300mm) | kg | 43.8 with Corner Lock Pedestal                                  |



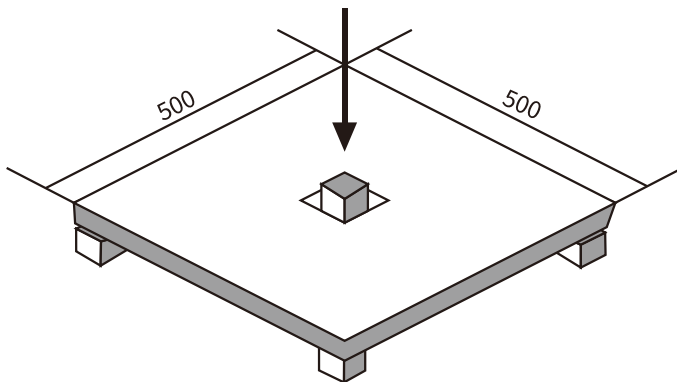
# GENERAL CHARACTERISTICS

## HUIYA EG 800 Characteristics

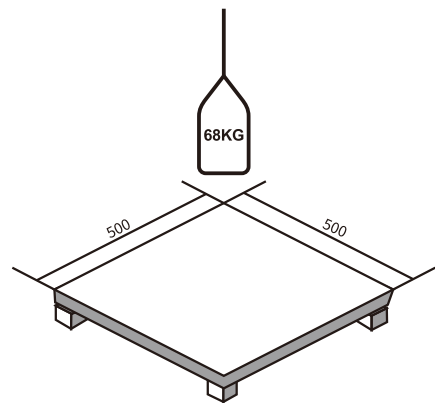
|                                                                                 |                   |      |
|---------------------------------------------------------------------------------|-------------------|------|
| Ultimate load                                                                   | KN                | >7.2 |
| <b>Concentrate load (Design load)</b><br>Deflection at design load (Max. 2.5mm) | KN                | 3.6  |
| Safety factor                                                                   |                   | 3.0  |
| <b>Uniform load(Distributed load)</b>                                           | KN/m <sup>2</sup> | 18.0 |
| <b>Impact load</b><br>(Sand bags impact and panel without broken)               | KG                | 68   |

|                      |                |                                           |
|----------------------|----------------|-------------------------------------------|
| Fire resistance      | ASTM E136-11   | No combustion or ignition                 |
|                      | ASTM E84-14    | Class A                                   |
|                      | EN13501-1:2002 | A1                                        |
| Acoustic performance | ASTM E492-09   | Calculated impact insulation class:IIC 58 |

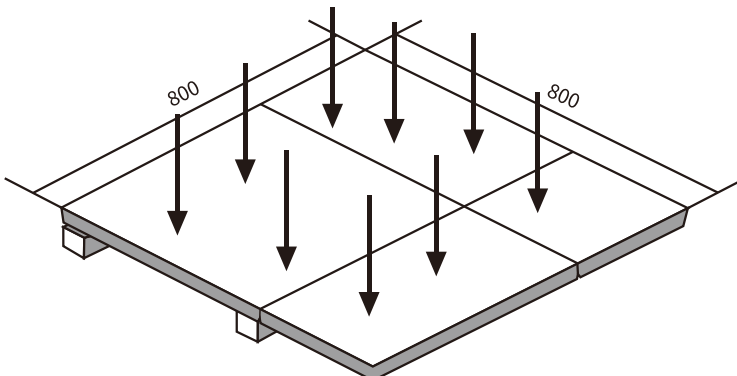
**Concentrate load(Design load)**



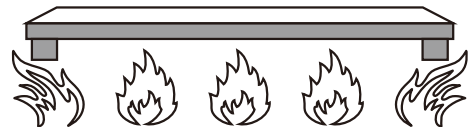
**Impact load**



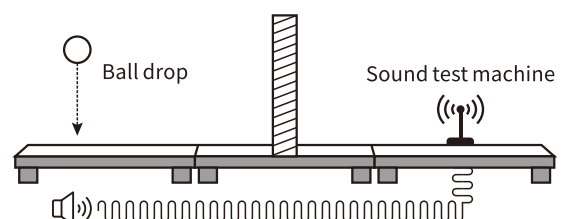
**Uniform load(Distributed load)**



**Fire resistance**

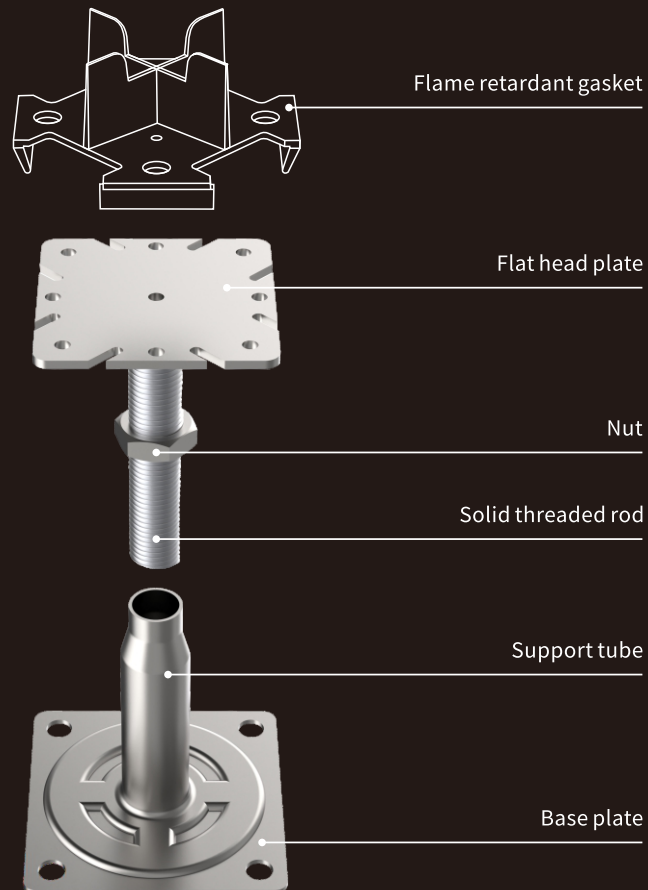


**Acoustic performance**



## UNDER-STRUCTURE CLASSIFICATIONS

# H60-200mm Pedestal Type



| H60-200 Pedestal Type |                        |                                                         |                                                         |
|-----------------------|------------------------|---------------------------------------------------------|---------------------------------------------------------|
| No.                   | Elements               | Dimensions (mm)                                         | Heights                                                 |
| 1                     | Flat head plate        | 75mm×75mm×3mm Thickness / 75mm×75mm×4mm Thickness       | Nominal heights from 60mm-200mm<br>Adjustments: +/-25mm |
| 2                     | Threaded rod           | M18                                                     |                                                         |
| 3                     | Nut                    | 1                                                       |                                                         |
| 4                     | Support tube           | Φ22×1.5mm / Φ25×1.2mm / Φ25×1.5mm / Φ25×2.0mm Thickness |                                                         |
| 5                     | Base plate             | 95mm×95mm×2mm / 95mm×95mm×3mm Thickness                 |                                                         |
| 6                     | Flame retardant gasket | 76mm×76mm×1.5mm Thickness                               |                                                         |

# BOND KU928C-X RAISED ACCESS FLOOR ADHESIVE

BOND KU928C-X is a high-performance, one-component, moisture-curing polyurethane resin adhesive suitable for bonding various raised floor steel and plastic pedestal. This product is VOC-resistant, free of 13 indoor substances harmful to human health, and contains no added VOCs (volatile organic compounds). Furthermore, the cured coating of BOND KU928C-X exhibits moderate elasticity, effectively preventing floor and pedestal noise issues associated with raised floor construction.

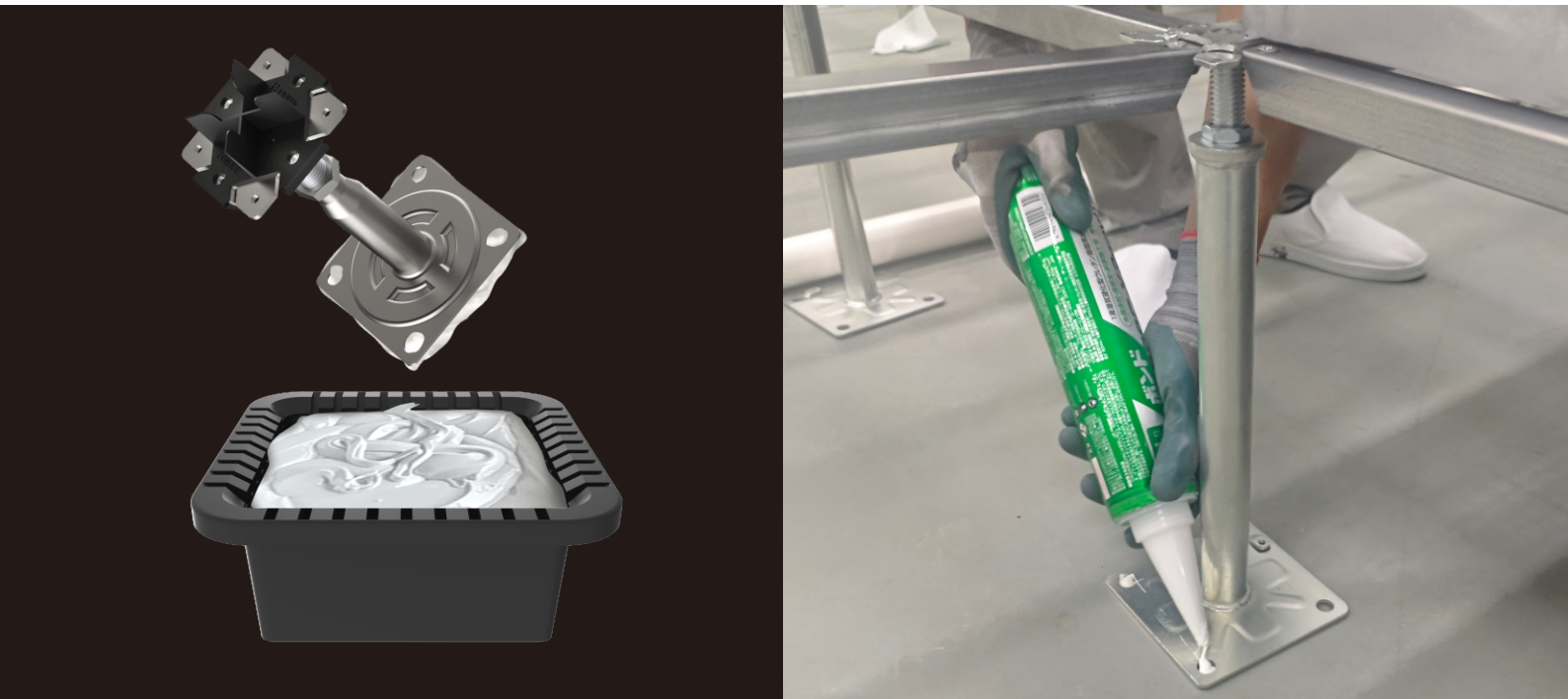
**Conforms to Japanese JIS A 5536 F☆☆☆☆ standards**

- Excellent adhesion to various metal pedestal and wood flooring materials.
- Effectively prevents friction noise from raised floor pedestal.
- Contains no harmful solvents and is virtually odorless.
- Non-hazardous and highly fire-resistant.
- Excellent water, fire, and oil resistance, making it suitable for wet area applications.
- Compatible with disposable glue containers.

Main Ingredients: Solvent-free polyurethane resin  
Appearance: Pale yellowish-white paste



**Patented design:** The glue container has a built-in scraper design function, which can be used with KONISHI Ku928 adhesive to be squeezed into the container. The glue container can just hold one Ku928 adhesive. The glue box is a disposable product and is used for large-area paving of raised floor construction sites.



## BOND STRENGTH

Bonding test between pedestal and concrete slab (KONISHI KU928 pedestal adhesive)

| 24-hour adhesive strength (N) | 7-day adhesive strength (N) |
|-------------------------------|-----------------------------|
| 2750                          | 3483                        |

