

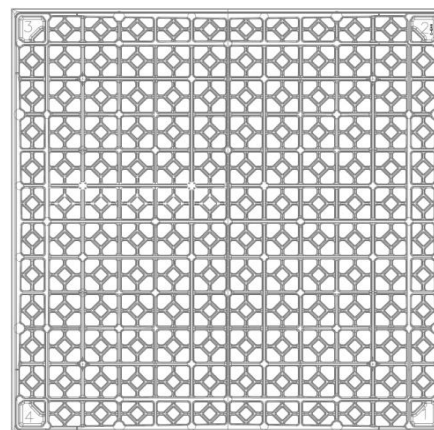
# TECHNICAL DATA

Aluminum die casted products with strength, precision and durability for customer satisfaction.

## Designed Load for 1000kgf Grating panel

### Features ;

- Made with Class A1 building material (incombustible)
- Advanced load endurance capacity
- Satisfies air flow requirements in both computer and cleanroom environments
- Excellent electrostatic discharge
- Excellent processability
- Various options of finishing materials
- Interchangeable with solid and perforated panels
- Semi-permanent usage through recycling.



### Design Load - 1000kgf

| PHYSICAL PROPERTES                           |  |  |                      |
|--|--|--|----------------------|
| Model No.                                    |  | G-A4N  |                      |
| Panel Type                                   |  | Grating  |                      |
| Size   |  | 600.00mm x 600.00mm  |                      |
| Thickness                                    |  | t50.00mm (including finishing material)                        |                      |
| Material of Bare Panel                       |  | Aluminum die casted (ALDC 12.1-Korean, D12S-Japanese Standard) |                      |
| Weight                                       |  | Approx. 11.80kgs   |                      |
| Tolerance<br>(Measured at 18 to 24 degree C) | Size(600mm)  | +0.00mm to – 0.25mm  |                      |
|  | Flatness   | ≤0.50mm@Edge and Diagonal                                      |                      |
|  | Squareness   | ≤0.50mm difference between opposite diagonal dimensions        |                      |
|  | Thickness  | ±0.20mm  |                      |
| Finishing Materials                          | Nomal Epoxy colours  | Silver, Hammertone Ivory                                       |                      |
|  | ESD Epoxy colours  | Black, Hammerton Gray, Hammertone Ivory etc.                   |                      |
|  | ESD Epoxy coat   | (ESD)10^4 to 10^6 ohms(Ω)                                      |                      |
|  | Ni-Cr plated   | Option   |                      |
| Electrical Resistance                        |  | Raised Floor surface to ground shall be between 1M ohms(Ω)     |                      |
| Corner Lock system                           |  | Option   |                      |
| LOAD BEARING CAPACITIES                      |  |  |                      |
| Concentrated Load                            | @ center point   | Min. 1,000kg(10.0KN)   | Avg. 1,200kg(12.0KN) |
|  | @ 1/2 center edge  |  | Avg. 1,100kg(11.0KN) |
|  | Permanent deformation  | 0.5mm Maximum Deflection at Design Load                        |                      |
| Rolling Load                                 | Min. 0.25mm after 10,000passes / Imposed load 454kg(1000lbs), 6"diaterx1.5"width wheel |  |                      |
| Uniform Load                                 | 2,660kg/sq.meter with maximum 1.0mm deflection   |  |                      |
| Ultimate Load                                | @ center point   | Min. 2,200kg(22.0KN)   | Avg. 2,500kg(25.0KN) |
|  | @ 1/2 center edge  |  | Avg. 2,400kg(24.0KN) |
| Air Opening                                  | 51%  |  |                      |

\* Specification shall be changed for quality Improvement.

