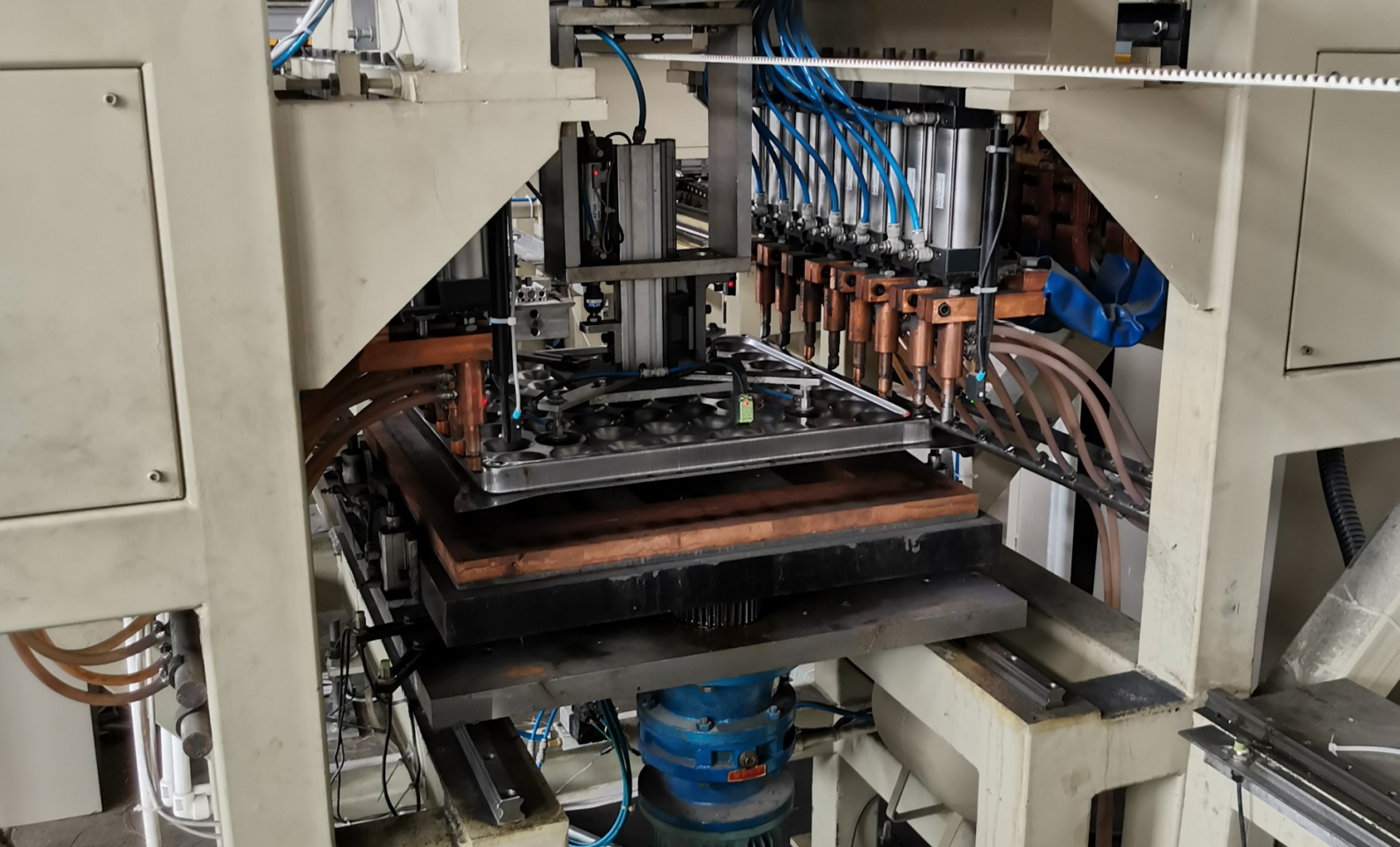




RAISED ACCESS FLOOR SYSTEMS

The foundation of connected spaces.

Steel panels. Considered finishes. Integrated systems.



PANELWAY / MANUFACTURING & REACH

Made with experience. Selected for your project.

Panelway manufactures cementitious infill steel raised access floor systems. Panels, finishes, pedestals, stringers and accessories are selected together around the needs of each space.

Since 1989

Raised floor manufacturing
at our factory.

40+

Export countries
and regions.

One system

Panels, supports
and accessories.

Manufacturing Base · Shandong, China
International Sales & Support · Hong Kong

Built around the space.

Three application series. One shared product platform.

DC SERIES

Data centers

HPL, Vinyl and airflow options selected around equipment loads and cooling requirements.



CR SERIES

Control & technical rooms

HPL and Vinyl with service access and electrical requirements specified for the project.



OFFICE SERIES

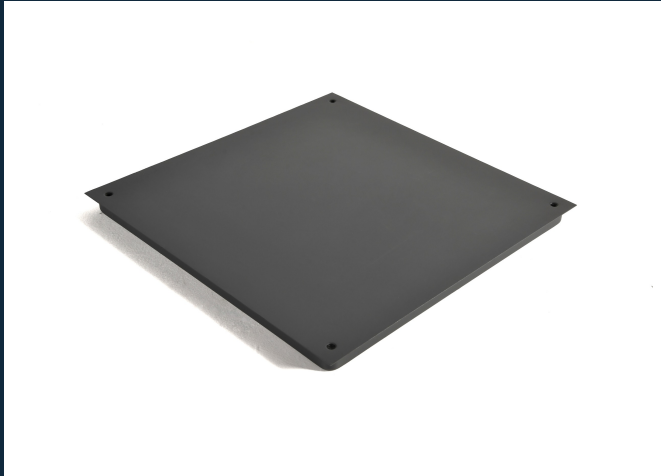
Office & commercial spaces

Bare with a separately specified covering, or Ceramic-finished panels.



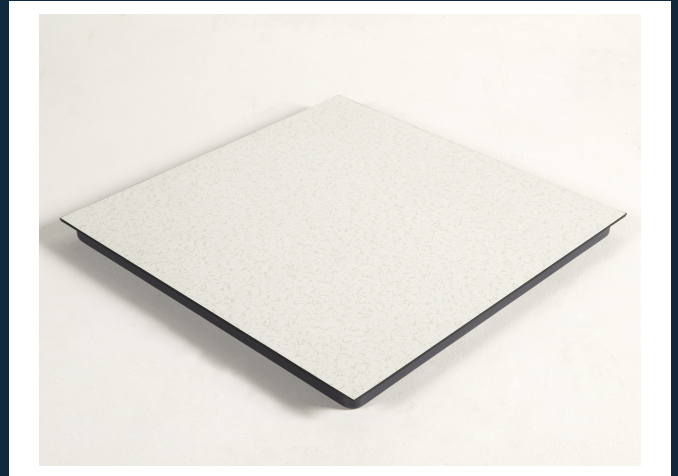
Four surfaces. One steel platform.

Steel shell. Lightweight cementitious infill. Project-selected finish.



Bare

STXXX-B



HPL

STXXX-H / STXXX-HN



Vinyl

STXXX-V / STXXX-VN



Ceramic

STXXX-C

600 × 600 mm

Panel model, floor height and support arrangement are selected as a complete configuration.

Bare.

FINISHED STEEL RAISED FLOOR



600 × 600 mm

PANEL SIZE

35 mm

NOMINAL THICKNESS

Steel + lightweight
cementitious infill

CONSTRUCTION

For a separately specified floor covering.
The primary Bare option in Panelway
Office Series.

SUPPORT

Cruciform corner-lock pedestals, or flat-head
pedestals with bolted stringers.

EDGE DETAIL

Folded trim edge

MODEL	CONCENTRATED LOAD (N)	UNIFORM LOAD (N/m²)
ST660-B	2,950	12,500
ST800-B	3,560	17,000
ST1000-B	4,450	23,000
ST1250-B	5,560	33,000

CAD V4.0 p1 and p23-24. Overall panel height varies by model. Loads are product
specifications; reports apply to the tested configurations.

HPL.

FINISHED STEEL RAISED FLOOR



600 × 600 mm	35 mm	Steel + lightweight cementitious infill
PANEL SIZE	NOMINAL THICKNESS	CONSTRUCTION

Factory-applied high-pressure laminate. A primary finish for DC and CR Series.

SUPPORT

Flat-head pedestals with bolted stringers.

EDGE DETAIL

F-type PVC trim; HN no-trim

MODEL	CONCENTRATED LOAD (N)	UNIFORM LOAD (N/m²)
ST660-H	2,950	12,500
ST800-H	3,560	17,000
ST1000-H	4,450	23,000
ST1250-H	5,560	33,000

CAD V4.0 p2-3. HN variants share the listed model load specifications. Overall panel height varies by model. Loads are product specifications; reports apply to the tested configurations.

Vinyl.

FINISHED STEEL RAISED FLOOR



600 × 600 mm	35 mm	Steel + lightweight cementitious infill
PANEL SIZE	NOMINAL THICKNESS	CONSTRUCTION

Project-selected PVC facing for control and technical rooms, with DC applications specified by project.

SUPPORT

Flat-head pedestals with bolted stringers.

EDGE DETAIL

F-type PVC trim; VN no-trim

MODEL	CONCENTRATED LOAD (N)	UNIFORM LOAD (N/m²)
ST660-V	2,950	12,500
ST800-V	3,560	17,000
ST1000-V	4,450	23,000
ST1250-V	5,560	33,000

CAD V4.0 p4-5. VN variants share the listed model load specifications. Overall panel height varies by model. Loads are product specifications; reports apply to the tested configurations.

Ceramic.

FINISHED STEEL RAISED FLOOR



600 × 600 mm	45 mm	Steel + lightweight cementitious infill
PANEL SIZE	NOMINAL THICKNESS	CONSTRUCTION

A ceramic surface for office and commercial applications, with selected technical-room uses.

SUPPORT

Flat-head pedestals with bolted stringers.

EDGE DETAIL

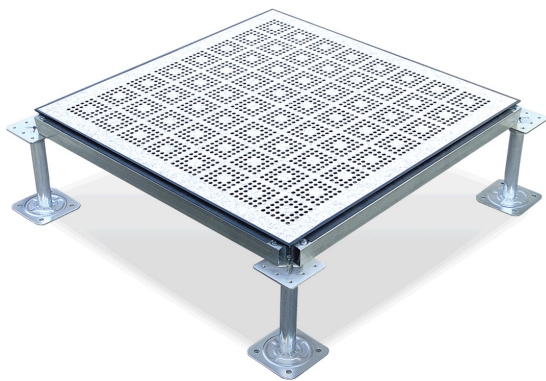
L-type trim

MODEL	CONCENTRATED LOAD (N)	UNIFORM LOAD (N/m²)
ST660-C	2,950	12,500
ST800-C	3,560	17,000
ST1000-C	4,450	23,000
ST1250-C	5,560	33,000

CAD V4.0 p6. Overall panel height varies by model. Loads are product specifications; reports apply to the tested configurations.

Air where it is needed.

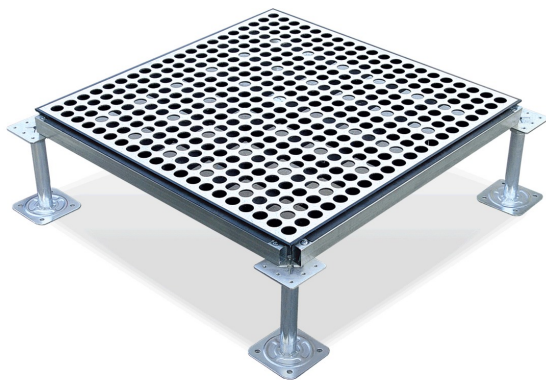
Open area, structural performance and cooling design work together.



1AF

20% OPEN AREA

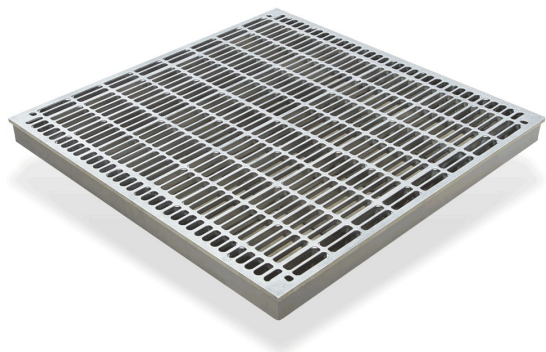
Perforated steel



2AF

45% OPEN AREA

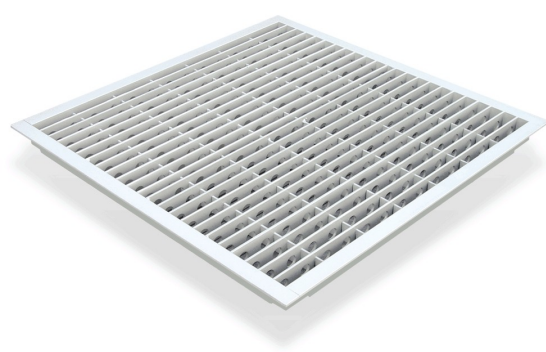
Reinforced steel



3AF

60% OPEN AREA

Die-cast aluminium



4AF

70% OPEN AREA

Structural steel

FAMILY	LOAD REFERENCE	CONFIGURATION / SELECTION
1AF	1,900 N	Bolted stringers
2AF	2,950 N	Bolted stringers
3AF	5,000 N	Confirm rating and test method
4AF	On request	Model-specific load information

1AF / 2AF: 600 × 600 mm, 35 mm nominal. 2AF drawings also show 40 mm overall. Loads are selection references. Delivered airflow depends on pressure difference and installation conditions.

The support behind the surface.



Cruciform corner-lock

Bare panels.



Flat head + stringers

Bare, HPL, Vinyl and Ceramic.

PEDESTAL FAMILY	HEAD TYPE	CATEGORY	FINISHED FLOOR HEIGHT
ST-1FXXX / ST-1CXXX	Flat / corner lock	Low-profile	70-90 mm
ST-3FXXX / ST-3CXXX	Flat / corner lock	Standard	100-600 mm
ST-4FXXX / ST-4CXXX	Flat / corner lock	Heavy-duty	300-1200 mm
ST-5FXXX	Flat	Super-heavy-duty	300-1200 mm



Bolted stringer grid

ST-1G600: 31.6 × 20 × 576 mm

ST-2G600: 30 × 20 × 576 mm

Finished floor height is the completed floor level above the subfloor, not pedestal body height. Select the exact model, adjustment range and connection using CAD V4.0 p15-24.

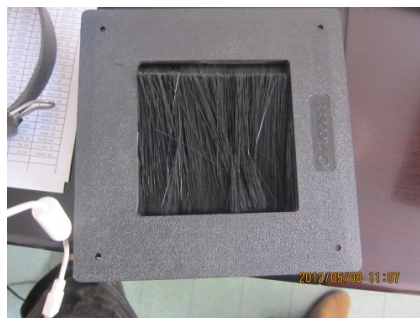
Designed into the detail.

Coordinate openings, service outlets, handling and installation.



Air diffuser

Circular outlet fitted into a panel cut-out.



Air sealing grommet

Coordinate cable bundles, opening size and air sealing.



Floor socket outlet

Specify the opening and local electrical requirements.



Double-cup lifter

Match panel surface and handling capacity.



Triple-cup lifter

Select handling method and lifting capacity.



Pedestal adhesive

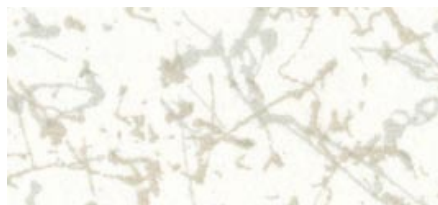
For prepared indoor concrete subfloors.

DIFFUSER REFERENCE

203 mm nominal / 237 mm flange / 210 mm cut-out
197 mm body / 108 mm depth. Confirm panel fit and airflow conditions.

Texture. Colour. Performance.

HPL / 1.2 or 1.6 mm facing options



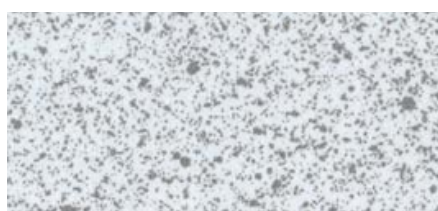
HPL2010-6



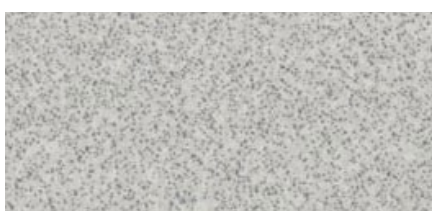
HPL2010



HPL2069



HPL2103



HPL2158



HPL2208

PVC / 1.5, 2.0, 2.5 or 3.0 mm facing options



0501



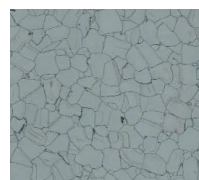
0503



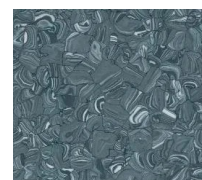
0506



0509



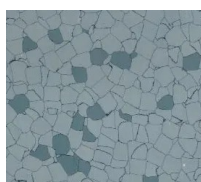
0510



0511



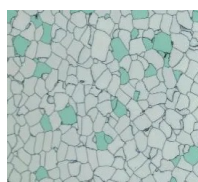
9301



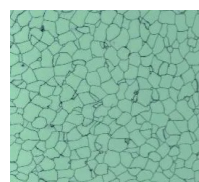
9302



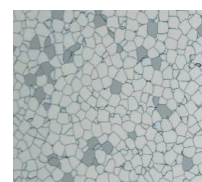
9303



9305



9306



9603

PVC ELECTRICAL GRADES

Conductive 10^4 - $10^6 \Omega$

Static-dissipative 10^6 - $10^9 \Omega$

PVC ranges reference DIN 51953. Confirm physical samples, facing grade and thickness. Facing data does not establish complete-floor performance; specify installation, test method and acceptance conditions.

Inside our manufacturing facility.



01 / PANEL PRODUCTION

Panel production, metal forming and powder coating at our manufacturing facility in Shandong, China.



02 Metal forming



03 Powder coating

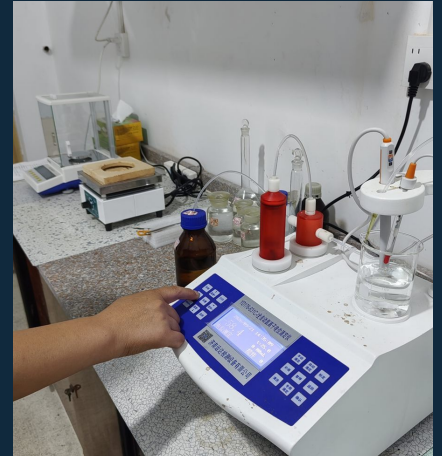
Attention to every detail.



Component coating thickness



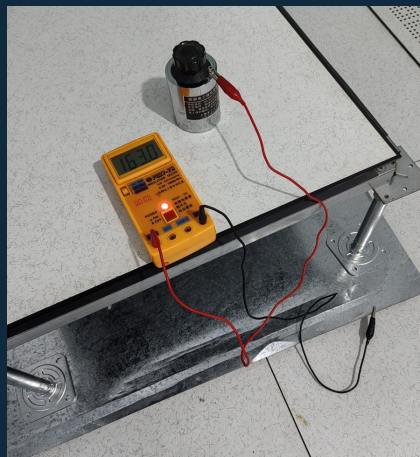
Panel coating thickness



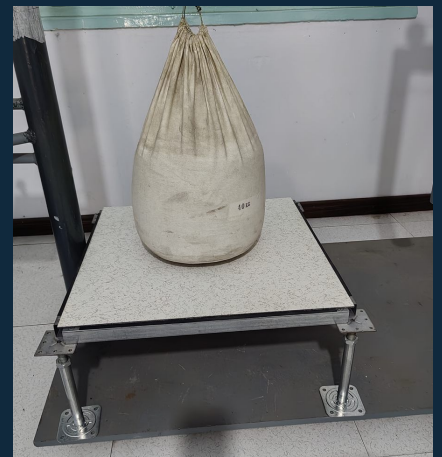
Laboratory testing



Concentrated load



Electrical resistance



Impact testing

Testing supports the specification.

Mechanical, fire and electrical documentation is selected for the product and project. Full reports are available on request. Results apply to the specimens, support configuration and conditions identified in each report.

Prepared for the journey.



Protect.

Surface protection, wrapping, straps and timber framing.

Plan.

Pallet quantities, component identification and a coordinated loading plan.



Container & cargo



Inside the container

Packaging, pallet dimensions and shipment requirements are confirmed for each order.



11 / PROJECT REFERENCES

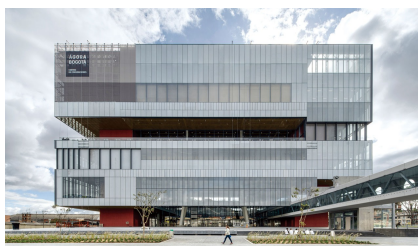
Across spaces. Across regions.

King Abdullah Sports City Stadium / Jeddah, Saudi Arabia



AMMROC MRO

Al Ain, Abu Dhabi, UAE



Centro Agora

Bogotá, Colombia

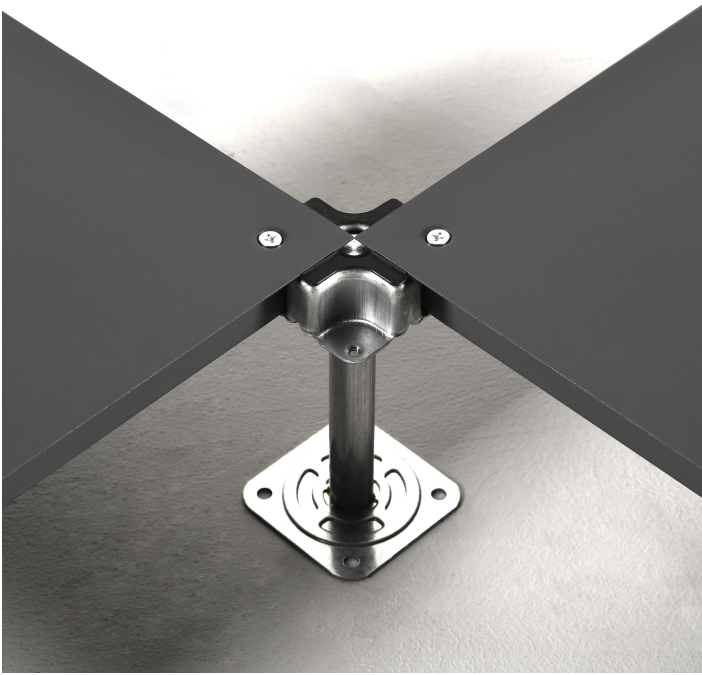


Saraya's W Amman Hotel & Tower

Amman, Jordan

The connections matter.

Match the panel, support grid and access requirements.



01

Corner-lock

Bare panels fixed at the pedestal heads. Coordinate normal, perimeter and corner supports.

02

Stringer grid

Flat-head pedestals with bolted stringers support HPL, Vinyl and Ceramic, and selected Bare configurations.



Refer to CAD V4.0 p23-24 for the connection details and the selected panel and understructure drawings.

A clear specification. An informed choice.

Use product specifications, drawings and applicable test reports together.

01 CAD drawings

ST System CAD V4.0 covers panels, pedestals, stringers and installation details. Confirm the exact model and floor-height configuration.

02 Mechanical reports

Model-specific reports identify the specimen, support arrangement, load levels and measured response. The product specification and sample test load may differ.

03 Fire documentation

Read the test method, specimen description and classification scope. Substrate and surface facing results are identified separately where applicable.

04 Finish & ESD data

Specify facing thickness, electrical grade, installation and acceptance conditions. Facing properties alone do not establish complete-floor performance.

DRAWINGS, FACING DATASHEETS & FULL REPORTS AVAILABLE ON REQUEST



14 / YOUR PROJECT

Start with the space. Define the floor.

A few project details help turn an enquiry into a considered floor configuration.

- 01 **Application & location**
Building use and project destination.
- 02 **Area & programme**
Floor area, quantities and delivery needs.
- 03 **Height & loading**
Finished floor height, equipment and transport loads.
- 04 **Finish & services**
Surface, electrical grade, airflow and service openings.

PANELWAY / INTERNATIONAL SALES

Let's build on your brief.

Panelway (China) Limited

PROJECT ENQUIRIES

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