PANEL



Encapsulated Particle Board Panel has a nominal size of 600×600 mm and a total thickness of 30 mm. The core is made of high-density particle board (620–650 kg/m^3). The top surface has a 0.4 mm thick galvanized steel coating. The bottom coating is also a 0.4 mm thick galvanized steel tray. The panel edges are galvanized and have high mechanical and thermal resistance.

The panel's ultimate load-bearing capacity is 13.5 kN. The working load is given as 4.5 kN, and the load class is 6. The flexure value is class C. The fire reaction is class Bfl-s1 according to EN 13501-1 standard. System connection is made with M14/M16/M18 base.

These values have been tested according to EN 12825 standard, and the ultimate load represents the maximum load of the element at the moment of fracture, while the working load represents the service load divided by the safety factor.



PVC Particle Board Panel has a nominal size of 600×600 mm and a total thickness of 30 mm. The core is made of high-density particle board (620–650 kg/m^3). The top surface is covered with 2 mm thick antistatic PVC material. The bottom covering is made of 0.5 mm thick galvanized steel tray. The panel has high mechanical and thermal resistance and has 0.4 mm thick PVC ABS edge banding.

The panel's ultimate load-bearing capacity is 8.5 kN. The working load is given as 2.83 kN, and the load class is 3. The flexion value is class C. The fire reaction is class Bfl-s1 according to EN 13501-1 standard. System connection is made with M14/M16/M18 base.

These values have been tested according to EN 12825 standard, and the ultimate load represents the maximum load of the element at the moment of fracture, while the working load represents the service load divided by the safety factor.

TECHNICA

Technical Specifications

Panel type: Encapsulated Particleboard Panel

- Nominal dimensions: 600 × 600 mm
- Total thickness: 30 mm
- Core density: 620–650 kg/m³
- Top coating: 0.4 mm galvanized steel
- Bottom coating: 0.4 mm galvanized steel tray
- Edge structure: Galvanized
- Ultimate load: 13.5 kN
- Working load: 4.5 kN
- Loading class: 6
- Flexion: Class C
- Fire reaction: EN 13501-1 – Bfl-s1
- Connection system: M14 / M16 / M18 base
- Test standard: EN 12825

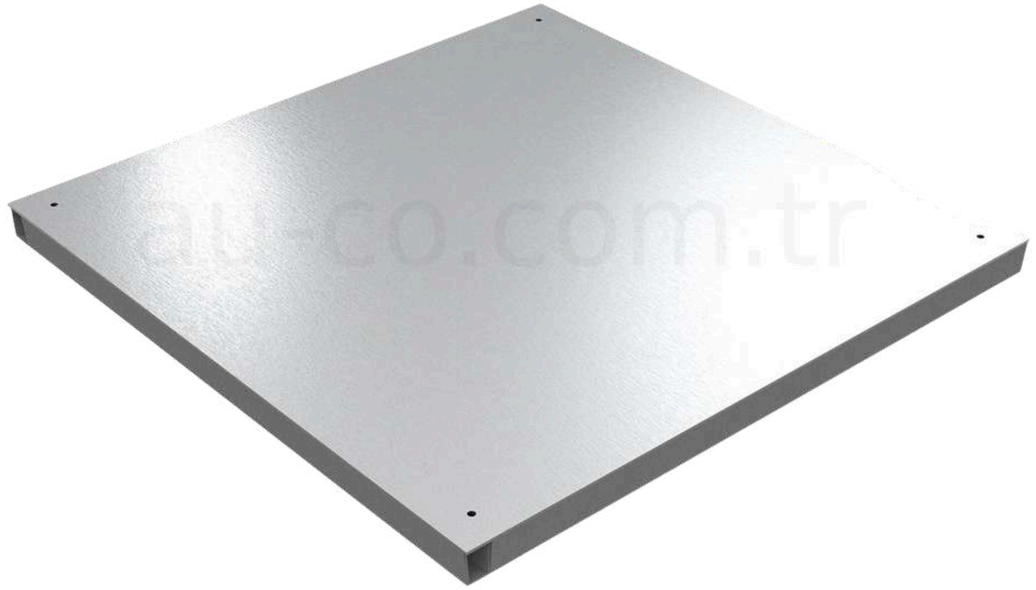
Technical Specifications

Panel type: PVC Particleboard Panel

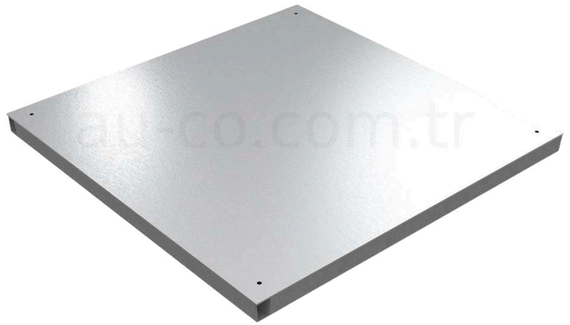
- Nominal dimensions: 600 × 600 mm
- Total thickness: 30 mm
- Core density: 620–650 kg/m³
- Top coating: 2 mm antistatic PVC
- Bottom coating: 0.5 mm galvanized steel tray
- Edge banding: 0.4 mm PVC ABS
- Ultimate load: 8.5 kN
- Working load: 2.83 kN
- Loading class: 3
- Flexion: Class C
- Fire reaction: EN 13501-1 – Bfl-s1
- Connection system: M14 / M16 / M18 base
- Test standard: EN 12825

PANEL

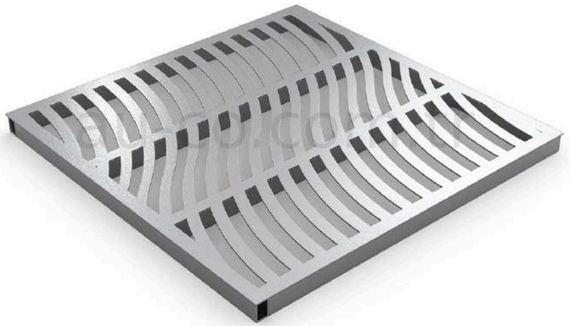
This panel is a galvanized metal carrier floor panel with dimensions of 600×600 mm and a total thickness of 32.5 mm. The top surface consists of 600×600×2.5 mm steel plate, distributing the load across the surface and providing a rigid structure. The lower support frame is designed in the form of a welded frame with dimensions of 594×594×30 mm. The system includes two carrier rails on the Y-axis and one on the X-axis, and the entire frame and rails are manufactured as a fully welded construction using 20×30×1.5 mm galvanized profiles. Thanks to this structure, the panel offers high load-bearing performance in both point and distributed loads. According to preliminary engineering calculations, the point load-bearing capacity of the panel is approximately 7 kN (~700 kgf), and the distributed load-bearing capacity is approximately 30 kN/m^2 (~3,000 kg/m^2). The total distributed load capacity per panel is approximately 11 kN (~1,100 kg).



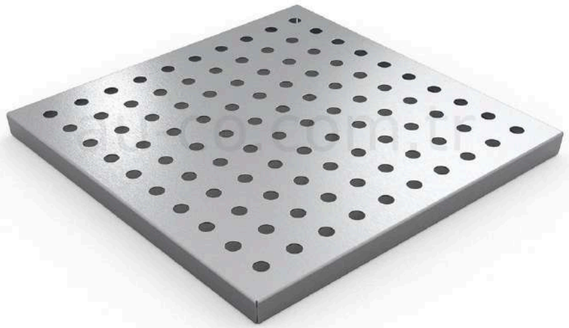
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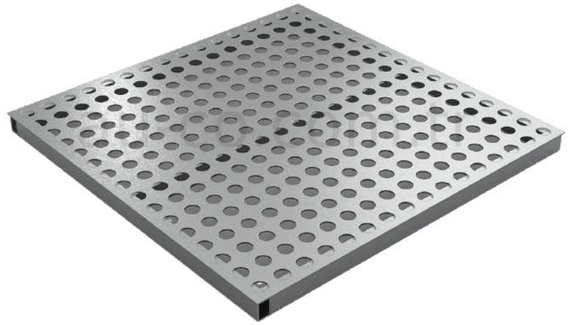
MNF



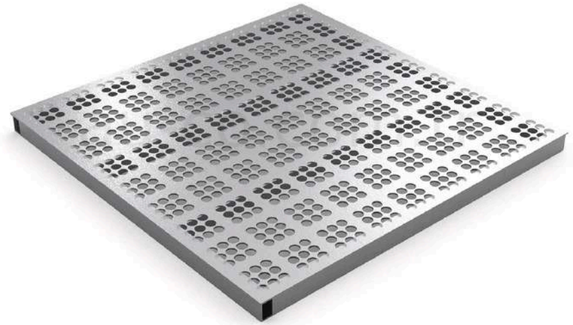
MNF - 1



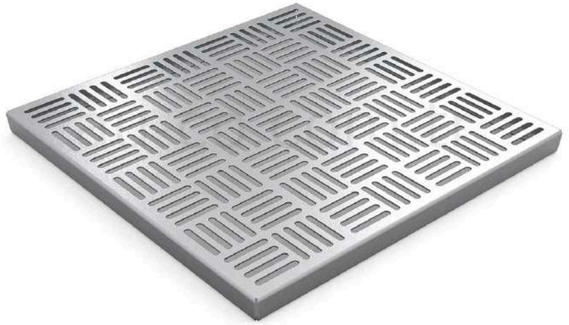
MNF - 2



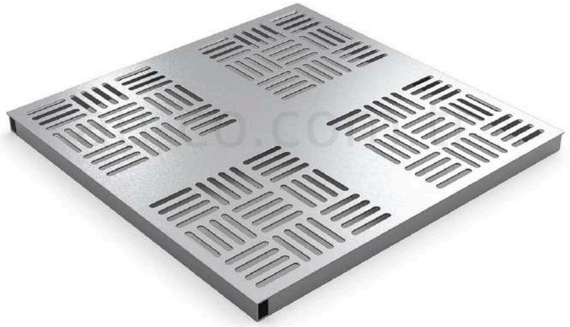
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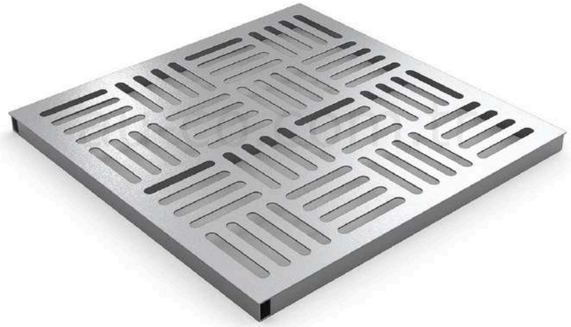
MNF - 4



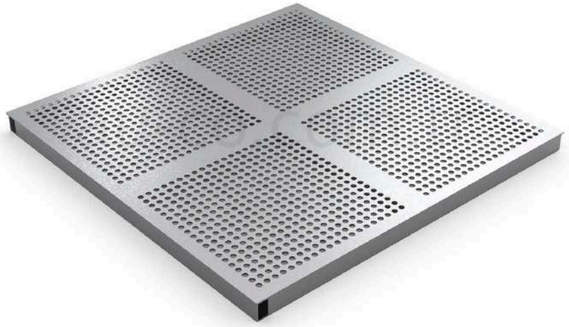
MNF - 5



MNF - 6



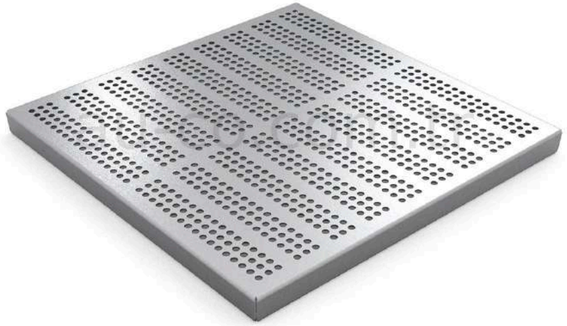
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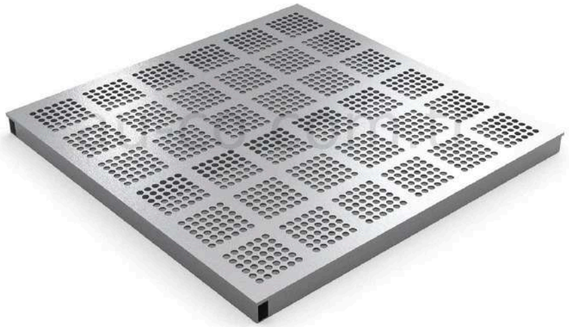
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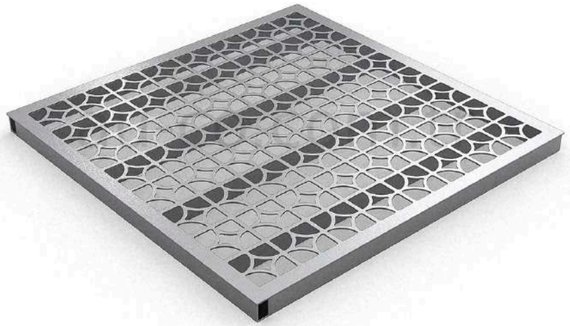
MNF - 9



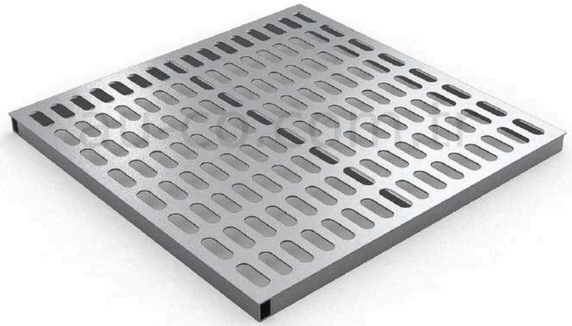
MNF - 10



MNF - 11



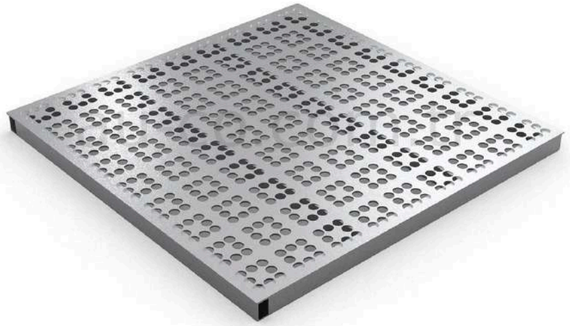
MNF - 12



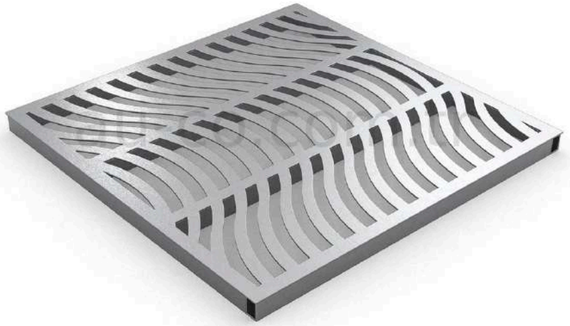
MNF - 13



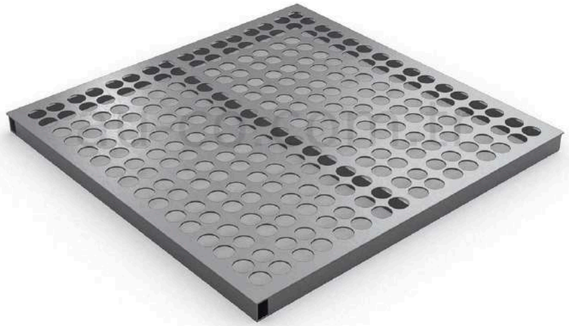
MNF - 14



MNF - 15



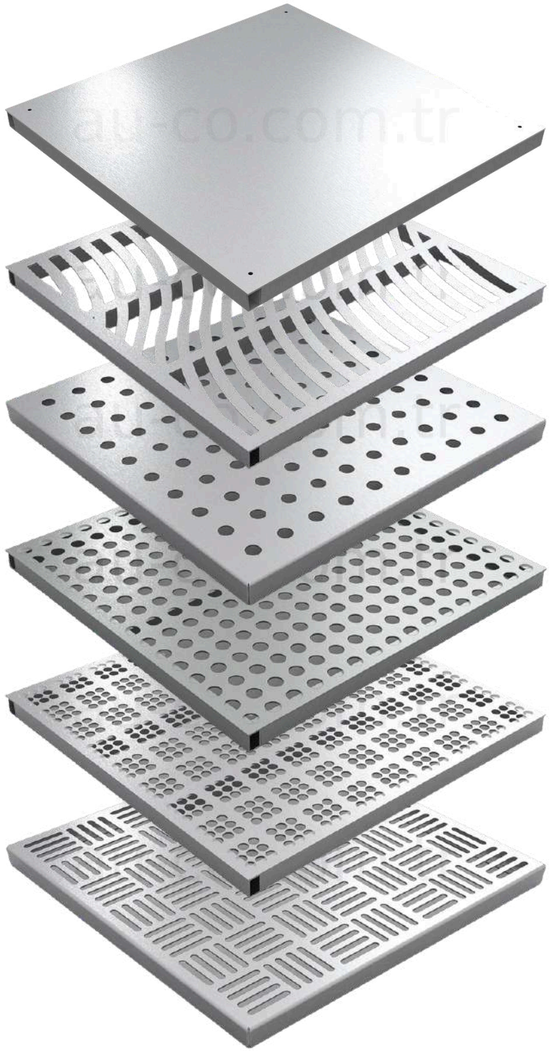
MNF - 16



MNF - 17

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PERMEABILITY RATES



MNF	%0
MNF - 1	%40
MNF - 2	%23
MNF - 3	%27
MNF - 4	%28
MNF- 5	%36
MNF - 6	%27
MNF - 7	%34
MNF - 8	%25
MNF - 9	%34
MNF - 10	%20
MNF - 11	%28





MNF - 12 %58

MNF - 13 %36

MNF - 14 %40

MNF - 15 %31

MNF - 16 %40

MNF - 17 %45

This product range consists of galvanized steel ventilation panels with a module size of 600x600 mm and a total thickness of 32.5 mm. The top surface can be produced with various perforation and channel patterns to meet different airflow and aesthetic needs, and permeability ratios are determined for each model. The lower support frame structure is designed to have the same rigidity and strength principles as standard metal panels.

The frame system has a sheet metal thickness of 2.5 mm. It is manufactured from 20x30x1.5 mm galvanized profiles and reinforced with 5x30 mm flat bar supports placed only in the X direction to increase load-bearing capacity. Thanks to its fully welded steel construction, the ventilation panels offer high load-bearing performance in both distributed and point loads, and can be safely used in technical areas, data centers, and mechanical infrastructure areas requiring air circulation. Offering both functional and architectural harmony with various design options, these ventilation panels can be produced in a wide range of products to provide project-specific solutions.