



MahanPanel

**Manufacturer of Roof, Wall
and Cold Storage Sandwich Panels**



Nasim Sarmayesh Mahan Gostar Company, operating under the brand name Mahan Panel, began its journey in 2017 with the mission of delivering products that meet the highest quality standards in the sandwich panel industry. From the outset, the company has focused on innovation, incorporating cutting-edge knowledge and technology and collaborating with experienced specialists to manufacture products that excel in quality and performance.

At Mahan Panel, we consistently strive to meet the diverse needs of our customers by using premium raw materials in the production of various types of walls, roof, and cold storage sandwich panels, while also offering specialized consulting services and extensive after-sales support.

Today, in 2024, we are proud to have launched the country's latest continuous sandwich panel production line, enabling us to deliver our products at the highest quality level and in the shortest possible time. Furthermore, by equipping our production line with specialized machinery for manufacturing PIR (fire-resistant) foam sandwich panels, we have taken another significant step toward advancing our nation's industrial self-sufficiency and expanding into international markets.

Mahan Panel's key differentiator lies in its modern approach to delivering high-quality products and efficient after-sales services. By focusing on innovation, employing the latest technologies, and leveraging the expertise of our skilled workforce, we aim to become the first choice for sandwich panel customers both domestically and internationally.

Products and Services

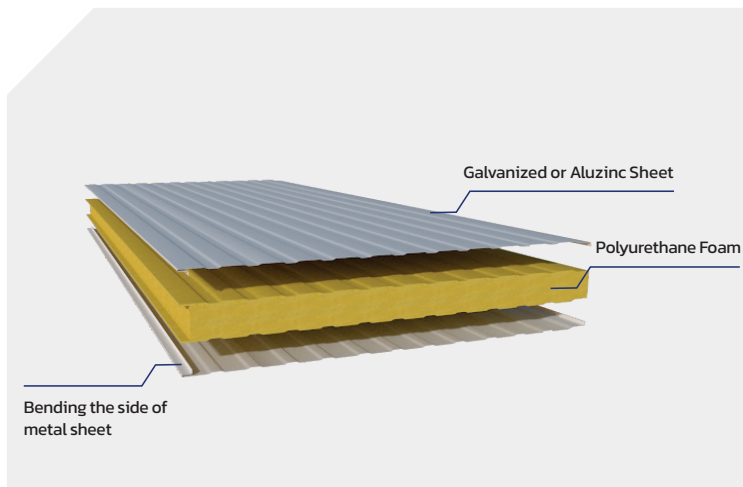
Production of various types of walls, roofs, and cold storage sandwich panels in thicknesses ranging from 3 to 20 centimeters

Consulting, design, and implementation of fixed and mobile cold storage facilities

Consulting, design, and construction of industrial halls and food storage warehouses

Sales and installation of various types of cold storage doors (sliding and hinged)

Consulting, design, and execution of prefabricated villas, modular units, and transport containers



Sandwich Panel

A sandwich panel is a lightweight, composite structure consisting of two outer-facing layers and a core insulating layer (foam). The facing layers are typically made from galvanized steel sheets, Aluzinc, aluminum, aluminum foil, nylon, kraft paper, or other materials. The insulating core can comprise polyurethane, polystyrene, rock wool, glass wool, or similar materials.

Sandwich Panel Specifications

Panel Facing Options

Depending on the application, different materials are used for the facing layers of sandwich panels:

| | | | |
|--|--|--|--------------------|
| Double-sided metal sheets | Double-sided kraft paper | Double-sided aluminum foil | Double-sided nylon |
| One side metal sheet one side kraft paper | One side metal sheet one side aluminum foil | One side metal sheet one side nylon | |

Sandwich Panel Core

The insulating core of Mahan Panel's sandwich panels is made of rigid polyurethane foam with a density of $40 \pm 2 \text{ kg/m}^3$. It is available in different fire-resistance classes, including B1 (flame retardant), B2 (self-extinguishing), and B3 (standard), providing enhanced protection against fire hazards.

Polyurethane sandwich panels can be faced with galvanized steel sheets, pre-painted steel sheets, aluminum sheets, polyethylene nylon, or kraft paper, depending on the intended use. Such panels are commonly utilized for internal applications, including thermal insulation beneath cold storage flooring (under concrete layers), in the flooring of marine structures, and in other specialized constructions.



Types of Sandwich Panels

Wall Sandwich Panels

Using wall sandwich panels offers an ideal solution for exterior cladding, internal partition walls, and flooring and ceiling applications across various structures.

They are also widely used in the construction of cold room walls and ceilings, as well as in freezing tunnels.

Mahan Panel's wall sandwich panels, available in tongue-and-groove and flat-edge designs, provide excellent insulation against heat, moisture, and noise.

Applications of Wall Sandwich Panels:

Permanent and mobile cold rooms
Freezing tunnels
Industrial halls
Sports halls
Prefabricated cabins
Prefabricated buildings
Residential buildings
And more

Specifications:

Thickness: 4 to 20 cm
Length: Customized upon request

Roof Sandwich Panels

Mahan Panel's roof sandwich panels present a comprehensive solution for all roofing needs in industrial and construction projects.

Designed with a trapezoidal structure, these panels deliver outstanding insulation performance against heat, moisture, and noise.

Applications of Roof Sandwich Panels:

Industrial halls
Sports and recreational facilities
Warehouses and silos
Prefabricated villas
Parking structures
Residential buildings
And more

Specifications:

Thickness: 3 to 15 cm
Length: Customized upon request

The Thickness and Thermal Transmittance Coefficient of Mahan Panel Wall Sandwich Panels

| Thickness (mm) | 40 | 50 | 100 | 150 |
|---|-------|-------|-------|-------|
| Thermal Transmittance Coefficient(kw/m ²) | 0.501 | 0.398 | 0.199 | 0.134 |

Certificates



Our Customers



Pasargad Alloy Steel Complex



Shiraz Electronic Industries Co



JPC



SPC



DEMES



DAITY



DAITY



DAITY



Sepidan



pepsi



manimas



Shiraz Milk



Pars Heart Foundation
Kowsar Hospital



Dr. Faghihi Hospital



TAJEH
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Teghaneh



Shiraz Milk



NIROOSAHEL



Shiraz Milk



Shiraz Milk



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