

How Desuman Became a Future Leading Foam Sandwich Panel Company



Foshan, Guangdong Jan 12, 2026 (IssueWire.com) - In an era marked by rapid urbanization, rising sustainability standards, and the global drive toward modular construction, the role of advanced building materials has never been more prominent. Enter Foshan Desuman Building Materials Technology Co., Ltd. — a company that has steadily transformed into a future-leading player in the [foam sandwich panel](#) industry. With a bold vision, robust production capabilities and a keen eye on global trends, Desuman has seized the moment to elevate its presence both domestically and overseas.

Founded with a mission to specialise in mechanism colour steel sandwich panels, handmade panels, purification engineering, container houses, movable panel houses and luxury panel houses, Desuman has built its foundation on strong R&D, manufacturing sophistication and export ambition.

Desuman's trajectory aligns perfectly with these trends. With independent intellectual property rights, multiple invention patents and honorary awards, the company has invested in five production lines dedicated to colour steel sandwich panels and multiple mobile home production lines, covering an area of over 20,000 m² and employing over 100 staff. Annually, its sandwich panel production capacity reaches 2 million m². These impressive metrics position the firm to meet both domestic demand and export markets. As the Asia-Pacific region already accounts for around 44% of global foam sandwich panel production capacity.

By combining manufacturing scale, IP ownership and targeted market expansion, Desuman is emerging

as a future leader in the foam sandwich panel space. Its export network, reaching more than 80 countries—including Angola, India, South Africa and the Maldives—demonstrates its global ambition. Collaboration with internationally renowned design and construction firms further reinforces its strategic vision of promoting “global residential industrialization”. In other words, Desuman is not just selling panels—it’s participating in the transformation of how houses and structures are built worldwide.

Given the market drivers — such as increasing demand for energy-efficient materials, modular housing growth, and the need for rapid construction methods — Desuman is well-positioned to ride the wave. For example, foam sandwich panels can reduce construction timelines by up to 30% compared to traditional methods, while improving insulation performance by around 40%.

To summarise: through a combination of R&D strength, production capacity, export footprint and alignment with macro-trends, Desuman has carved out a path to becoming a future leading foam sandwich panel company — both in China and globally.

Core Strengths, Product Applications & Key Cases

Turning now to what makes Desuman stand out, it is helpful to look at its core advantages, its suite of main products and their application scenarios, and examples of its client base and project types.

Core Advantages

Desuman boasts several competitive advantages:

Independent IP & Patents: The company holds independent intellectual property rights and various invention patents, which supports product differentiation and quality assurance.

Advanced Manufacturing Setup: With five production lines for colour steel sandwich panels and multiple lines for mobile homes, the company can achieve an annual output of 2 million m² of sandwich panels—a scale that supports both large-volume orders and export logistics.

Comprehensive Product Range: In addition to sandwich panels, Desuman offers handmade panels, purification engineering, container houses/movable panel houses/luxury panel houses and steel structure engineering after-sales services. This breadth allows it to cater to diverse market segments.

Global Reach: Products are sold across China and exported to over 80 countries. This global footprint signals both manufacturing reliability and export logistics capability.

Partnerships with Design & Construction Firms: The company collaborates closely with internationally renowned design and construction firms, underlining its ambition to participate in residential industrialization processes globally.

Main Products & Application Scenarios

The core product remains foam sandwich panels (also known as mechanism colour steel sandwich panels in Desuman’s terminology). These are composite panels typically comprising a foam core (such as polyurethane / PUR, polyisocyanurate / PIR, or expanded polystyrene / EPS) sandwiched between rigid steel (or steel-coated) facings. The broader industry data show that building walls account for around 41% of foam sandwich panel applications, roofs about 29–33%, and cold-storage/temperature-controlled environments around 19–22%.

Typical application scenarios include:

Exterior wall cladding or roofing of industrial buildings, commercial facilities or residential prefab housing.

Mobile/portable homes and modular houses, where speed of construction, lightweight design and insulation are key.

Cold-storage warehouses, food logistics centres, pharmaceutical storage requiring superior thermal insulation. The foam sandwich panel industry is seeing strong growth in cold chain logistics.

Luxury panel houses or movable panel houses, where aesthetics, insulation and modular construction converge.

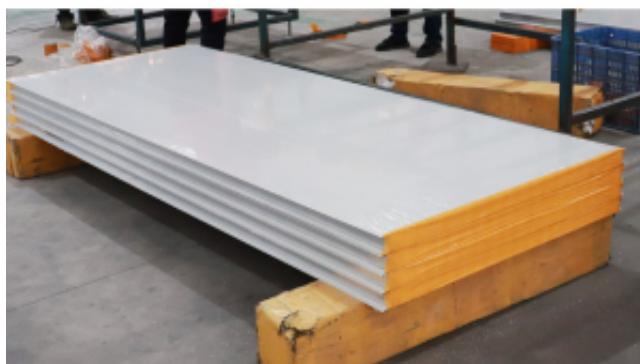
Steel structure engineering support: in larger projects, sandwich panels integrate with steel structural systems, enabling fast enclosure of buildings.

Foam Sandwich Panels — Why They Matter

Industry reports indicate that foam sandwich panels offer strong insulation and structural efficiency. For example, foam sandwich panels are increasingly adopted because they reduce construction time, deliver good thermal performance and support modular construction methods. They are particularly in demand in sectors such as cold-chain logistics and modular/residential construction. Moreover, sustainability trends drive demand for lighter, recyclable, or lower-carbon panels.

By positioning itself in this space, Desuman leverages the macro-trend of buildings moving toward industrialised, modular and energy-efficient construction. Its ability to produce at scale, export globally, offer a full range of panel-based building solutions (including houses) and partner with design/engineering firms gives it a clear competitive edge.

In conclusion, from its base in Foshan to markets across Africa, Asia and beyond, Desuman is charting a course toward leadership in foam sandwich panels. With the industry at an inflection point — driven by energy efficiency mandates, modular construction, cold-chain expansion and global infrastructure growth — Desuman's combination of manufacturing capacity, product breadth, export service and innovation places it in an excellent position. For more information about the company and products, you can visit their website at: <https://www.desuman.net/>.



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Source : Foshan Desuman Building Materials Technology Co., Ltd

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