

China Leading Polyurethane Sandwich Panel Supplier Shines at BDExpo 2025

FOSHAN, GUANGDONG, CHINA, September 4, 2026 /EINPresswire.com/ -- The global construction landscape is in the midst of a transformative shift, driven by twin demands for speed and sustainability. At the forefront of this evolution are prefabricated building materials, chief among them the high-performance polyurethane (PU) sandwich panel.

Against this backdrop of industry change, China's Foshan [Desuman](#) Building Materials Technology Co., Ltd. (Desuman) is set to make a significant impact at the highly anticipated Building & Decoration Expo (BDExpo) 2025, a premier international platform showcasing the future of architecture and construction. Desuman's participation is a testament to the growing global influence of Chinese innovation in delivering cutting-edge, environmentally responsible building solutions.

BDExpo 2025 is not just an exhibition; it is a critical nexus for driving the construction industry forward. For Desuman, it represents a strategic opportunity to connect with developers, architects, contractors, and government representatives looking for materials that meet stringent new standards for energy efficiency and construction timelines.



The BDExpo 2025: Gateway to Sustainable Construction

BDExpo has established itself as a crucial barometer for global construction trends, particularly in high-growth markets like the Asia-Pacific region, which is currently the fastest-growing market for building materials worldwide. BDExpo Indonesia 2025, for example, is set to be held in Jakarta, reflecting the immense infrastructure development happening across Southeast Asia. The sheer scale of the event—featuring hundreds of exhibitors and expected to draw tens of thousands of visitors—underscores its role as a vital sourcing and networking hub.

Key Industry Trends Shaping BDExpo 2025

The analysis of the BDExpo 2025's themes and the broader market reveals three dominant trends that Desuman's products directly address:

The Rise of Prefabrication and Modular Construction: The global construction industry is moving away from traditional stick-built methods. Modular construction, which can reduce costs by 10-20% and shorten project timelines by up to 30%, requires lightweight, reliable, and standardized materials. Sandwich panels are the backbone of this trend, enabling rapid, high-quality assembly.

The Global Push for Energy Efficiency and Green Building: Governments worldwide are implementing stricter energy codes to reduce carbon footprints. This drives demand for high-performance insulation materials. PU sandwich panels, with their superior thermal resistance (R-value), are essential components in achieving nearly zero-energy buildings (NZEBs) and complying with stringent green building certifications.

The Cold Chain and Industrial Revolution: Driven by rapid urbanization and the expansion of the food and pharmaceutical industries, there is an explosive demand for cold storage facilities, warehouses, and clean rooms. The global sandwich panel market, projected to double to over \$20 billion by 2032 with a CAGR of around 8.4%, is heavily propelled by the need for insulated structures in these industrial applications. Polyurethane (PUR) panels, specifically, lead the core material market, favored for their excellent performance in freezer construction.

BDE expo 2025 provides the perfect platform to showcase solutions that align with these global imperatives. Exhibitors like Desuman are expected to not only present products but also integrated, smart, and sustainable construction solutions that address the full lifecycle of a building, from manufacturing precision to energy consumption in use.

Desuman's Innovation and The Power of Polyurethane

Foshan Desuman Building Materials Technology Co., Ltd. is a Chinese enterprise that has strategically positioned itself at the intersection of manufacturing excellence and material science innovation. The company's comprehensive approach—independently handling R&D, production, and sales—allows it to maintain total quality control and respond rapidly to market demands.

Core Values and Mission

Desuman's operational ethos is centered on four core values: Customer first, Focus on precision, Respect for employees, and Results oriented mission. This dedication to precision and customer-centricity is particularly critical in the manufacturing of technical building materials. Their broader mission is clear: "Committed to providing personalized solutions for convenient and environmentally friendly housing for people." This mission perfectly encapsulates the market shift toward sustainable, quick-to-deploy, and customized construction.

The Leading Edge: [Polyurethane Sandwich Panels](#)

At the heart of Desuman's showcase at BDE expo 2025 will be their leading-edge Polyurethane (PU) Sandwich Panels.

Polyurethane is the market leader in sandwich panel core materials, primarily due to its outstanding thermal insulation properties. A typical PU panel offers superior thermal performance compared to Polyisocyanurate (PIR) or Expanded Polystyrene (EPS), making it the material of choice for demanding environments.

Desuman's panels leverage this material advantage and combine it with a commitment to manufacturing precision. The company's use of mechanism color steel sandwich panels and handmade panels ensures versatility, allowing them to meet both high-volume industrial needs and highly bespoke purification engineering requirements. Furthermore, Desuman proudly possesses independent intellectual property rights and various invention patents, substantiating its claim as a technology leader rather than just a mass manufacturer.

Versatile Applications: Building the Future

Desuman's diverse product line demonstrates its capability to serve multiple high-growth construction sectors:

Purification Engineering and Clean Rooms: In pharmaceutical, electronic, and food processing industries, absolute air quality control is paramount. Desuman's high-precision handmade panels and specialized purification systems offer the airtightness and non-contaminating surfaces required for these controlled environments, directly supporting the industrial growth trend.

Convenient and Movable Housing: Addressing global needs for rapid deployment and flexible living, Desuman offers a range of solutions, including container houses, movable panel houses, and luxury panel houses. These modular solutions capitalize on the global rise of prefabrication, providing comfortable, durable, and environmentally friendly alternatives for residential, temporary, or remote accommodations.

Industrial and Commercial Structures (Steel Structure Engineering): Their high-strength mechanism color steel sandwich panels are crucial for constructing large-scale industrial buildings, warehouses, and distribution centers. By offering not just the panels but also comprehensive steel structure engineering after-sales services, Desuman positions itself as a full-service partner throughout the project lifecycle.

Outlook: Global Growth and Sustainable Impact

As the Asia-Pacific region continues to lead global construction activity, and as developed nations double down on energy-saving mandates, Desuman's blend of high-efficiency products and advanced manufacturing techniques makes it a critical partner for future building projects. The company's over 20,000 square meters of operational space and team of over 100 employees ensure the capacity and expertise needed to scale production and meet international demand.

By spotlighting their leading Polyurethane Sandwich Panels and comprehensive modular solutions at BDExpo 2025, Foshan Desuman is not only showcasing their products but reaffirming their mission to drive the construction industry toward a more convenient, precise, and sustainable future.

To learn more about their patented technology and building solutions, please visit the official company website: <https://www.desuman.net/>.

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