



50mm-200mm Thickness Polyurethane Foam Sandwich Panels 1000mm Width

Our Product Introduction

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Basic Information

- Place of Origin: Hebei,China
- Brand Name: BAODU
- Certification: CE
- Model Number: Polyurethane Sandwich Panel
- Minimum Order Quantity: Discussible
- Price: Reasonable
- Packaging Details: In general, for steel structure , we use the steel frame packing to keep goods not to be broken . For sandwich panel and color steel sheet, we use the plastic packing . If the clients need special packing will according to their requirements.
- Delivery Time: 15days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 Square Meters per Day



Product Specification

- Product Name: 50mm-200mm Thickness 1000mm Width Polyurethane Sandwich Panel
- Length: Customizable According To Customer Needs
- Color: RAL Color;Customized
- Moistureproof: Yes
- Type: Polyurethane Sandwich Panel
- Design Style: Modern
- Heat Insulation: Yes
- Material: Polyurethane
- Steel Thickness: 0.4mm-0.8mm
- Keyword: Polyurethane Sandwich Panel
- Highlight: **sound absorbing polyurethane foam sandwich panels**

Product Description

50mm-200mm Thickness 1000mm Width Polyurethane Sandwich Panel

Product Description:

Polyurethane sandwich panel is a kind of new material which is widely used in many fields, such as construction, insulation and sound absorption. It is a composite structure panel composed of two layers of PU foam and one layer of steel plate, and its surface can be customized according to customer needs. It has the characteristics of light weight, good insulation, sound absorption, fire resistance, high strength, corrosion resistance, and easy installation. The thickness of the panel can be customized from 50mm to 200mm. It is an ideal material for roof, wall and partition, and also can be used for cold storage room, warehouse and other places. It has excellent performance in soundproofing, and is also waterproof and thermal insulation.

Polyurethane sandwich panel has a strong bearing capacity, and can bear large weight. It has the characteristics of high strength, strong toughness, and good anti-aging performance. It is also environmental friendly and energy saving, and can be recycled. Its insulation performance is excellent, and it can improve the thermal insulation performance of the building and reduce the energy consumption. In addition, it is also fireproof and has excellent fire resistance performance.

PU roof wall sandwich panel has also become the preferred material for many modern buildings because of its excellent performance. It is the ideal material for construction, insulation and sound absorption, and is widely used in building roof, wall and partition. The sandwich panels polyurethane provide a perfect solution for the insulation and sound absorption of the building, and can also improve the overall appearance of the building. The PU insulation polyurethane sandwich panel is the perfect material for modern construction.

Features:

Product Name: Polyurethane Sandwich Panel

Moistureproof: Yes

Color: RAL Color: Customized

Soundproof: Yes

Thickness: 50mm-200mm, etc

Price: Reasonable

Technical Parameters:

| Allowable vertical load and thermal performance of BAODU polyurethane sandwich wall panel (allowable deflection $f \leq L/200$) | | | | | | | | |
|--|--------------------|-------|---------------------|------|------|------|------|------|
| S(mm) | W/m ² k | G(kg) | P=KN/m ² | 0.60 | 0.80 | 1.00 | 1.20 | 1.50 |
| 50 | 0.31 | 10.06 | L(m) | 3.52 | 3.04 | 2.69 | 2.42 | 2.11 |
| 75 | 0.21 | 11.06 | L(m) | 4.71 | 4.09 | 3.64 | 3.29 | 2.89 |
| 100 | 0.19 | 12.05 | L(m) | 5.76 | 5.02 | 4.47 | 4.05 | 3.56 |
| 120 | 0.16 | 12.84 | L(m) | 6.53 | 5.68 | 5.07 | 4.60 | 4.04 |
| 150 | 0.11 | 14.04 | L(m) | 7.56 | 6.58 | 5.87 | 5.32 | 4.68 |
| Note: 0.5mm outer steel sheet and 0.4mm inner steel | | | | | | | | |
| Allowable Span and Thermal Conductivity of BAODU Polyurethane Roof Sandwich Panel (allowable deformation $f \leq L/240$) | | | | | | | | |
| S(mm) | W/m ² k | G(kg) | P=KN/m ² | 0.60 | 0.80 | 1.00 | 1.20 | 1.50 |
| 30 | 0.32 | 9.32 | L(m) | 2.60 | 2.30 | 2.08 | 1.91 | 1.72 |
| 50 | 0.31 | 10.15 | L(m) | 3.59 | 3.17 | 2.85 | 2.61 | 2.33 |
| 75 | 0.21 | 11.18 | L(m) | 4.64 | 4.07 | 3.66 | 3.34 | 2.96 |
| 100 | 0.19 | 12.22 | L(m) | 5.57 | 4.88 | 4.38 | 3.99 | 3.53 |
| 120 | 0.16 | 13.05 | L(m) | 6.28 | 5.49 | 4.92 | 4.48 | 3.97 |
| 150 | 0.11 | 14.3 | L(m) | 7.30 | 6.39 | 5.73 | 5.22 | 4.62 |
| Note: 0.5mm outer steel sheet and 0.4mm inner steel | | | | | | | | |

Applications:

Application Scenarios and Advantages of BAODU Polyurethane Sandwich Panel

BAODU Brand polyurethane sandwich panel is a kind of heat insulation material, widely used in industrial and civil construction. It has the advantages of light weight, heat insulation, fire resistance, sound insulation, waterproof, corrosion resistance and beautiful appearance. It is the best choice for energy-saving and environmental protection projects.

BAODU Brand polyurethane sandwich panel has the following application scenarios:

One: It can be used as wall and roof materials for steel structure warehouses, workshops and cold storage projects.

Two: It can be used for construction of high-rise buildings, such as exterior walls, interior walls and roofs.

Three: It can be used as wall and roof materials for residential houses, villas, mobile houses, etc.

Four: It can be used for the construction of commercial buildings, such as exhibition halls, shopping malls, supermarkets, etc.

Five: It can be used for the construction of temporary rooms, such as field operations, mobile houses, etc.

Six: It can be used for the construction of large-span structures, such as stadiums, railway stations, airports, etc.

BAODU Brand polyurethane sandwich panel has the following main advantages:

One: Light weight and high strength. The same thickness of polyurethane sandwich panel is only 1/5 of the weight of traditional wall materials, and its compressive strength is up to 1000Kpa, which is the most suitable energy-saving wall material.

Two: Good thermal insulation performance. The thermal conductivity of polyurethane sandwich panel is 0.023W/m.K, which is 3-4 times

that of ordinary wall materials, and can save energy more than 40%.

Three: Good fire performance. Polyurethane sandwich panel is made of non-combustible material, and its fire rating class is A.

Four: Good sound insulation performance. The sound insulation of polyurethane sandwich panel can reach 38-45dB, which can effectively reduce the noise.

Five: Good waterproof performance. The panel is made of special waterproof material, which has strong waterproof performance and can be used in wet environment.

Six: Good corrosion resistance. Polyurethane sandwich panel is made of special material, which has strong corrosion resistance and can be used in harsh environment.

Seven: Beautiful appearance. Polyurethane sandwich panel has rich colors and can be customized according to customer needs.

BAODU Brand polyurethane sandwich panel is a kind of heat insulation material with many advantages. It has the advantages of light weight, heat insulation, fire resistance, sound insulation, waterproof, corrosion resistance and beautiful appearance, which is the best choice for energy-saving and environmental protection projects.

Customization:

We offer custom Polyurethane Sandwich Panel services with the following attributes:

Brand Name: BAODU

Model Number: Polyurethane Sandwich Panel

Place of Origin: Hebei,China

Certification: CE

Minimum Order Quantity: Discussible

Price: Reasonable

Packaging Details: In general, for steel structure, we use the steel frame packing to keep goods not to be broken. For sandwich panel and color steel sheet, we use the plastic packing. If the clients need special packing will according to their requirements.

Delivery Time: 15days

Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram

Supply Ability: 5000 Square Meters per Day

Material: Polyurethane

Width: 1000mm

After-sale Service: Online Technical Support

Density: 40-42kg/m3

Our Polyurethane Sandwich Panel is perfect for PU Roof Wall Sandwich Panel, Polyurethane Sandwich Wall Roof Panel, Sandwich Panels Polyurethane.

Support and Services:

Polyurethane Sandwich Panel technical support and services include:

Product installation and maintenance guidance

Product failure troubleshooting

Product customization

Remote technical assistance

On-site technical support

Packing and Shipping:



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