BRD NEW MATERIALS (MALAYSIA) SDN. BHD

BAOECO

Machine-made Foam Color Steel Sandwich Plate

Composition:

As a new generation of building decoration material, it adopts flame retardant EPS as sandwich and hot-dip galvanized color-coated steel plate as surface layer (two layers), and uses high strength adhesive to make combination. High speed and continuous automatic forming machine is used to make forming through heating and pressing. After that, it needs trimming, slotting and blanking



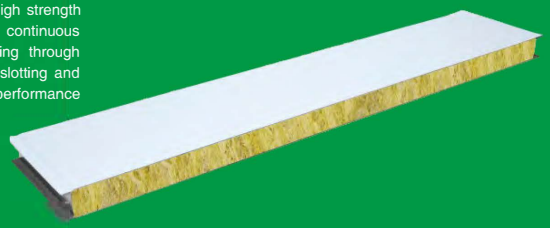
Specification:

Width: 950, 1150mm
Thickness: 50, 75, 100, 150, 200mm
Color: Selected by engineering requirements
Type: H plate (flat and profile), tongue-and-groove plate, corrugated sandwich plate
Note: Customized for special size

Machine-made Rock Wool Color Steel Sandwich Plate

Composition:

As a new generation of building decoration material characterized by heat insulation and easy installation, it adopts middle-high density glass wool as sandwich and galvanized or color-coated steel plate as surface layer (two layers), and uses high strength adhesive to make combination. High speed and continuous automatic forming machine is used to make forming through heating and pressing. After that, it needs trimming, slotting and blanking. In addition, it has the highest fire-proof performance among similar plates (sandwich plate series)



Specification:

Width: 950, 1150mm
Thickness: 50, 75, 100, 150, 200mm
Color: Selected by engineering requirements
Type: Tongue-and-groove plate, corrugated sandwich plate (flat and profile)
Note: Customized for special size

Machine-made Paper Honeycomb Color Steel Sandwich Plate

Composition:

As a kind of ultra lightweight building material characterized by lightweight, good heat insulation, superior sound insulation effect and fast construction speed, it adopts color-coated steel plate as surface, takes paper honeycomb as sandwich and uses hot curing glue to make heating and pressing within continuous forming machine



Specification:

Width: 950, 1150mm
Thickness: 50, 75, 100, 150, 200mm
Color: Selected by engineering requirements
Type: H plate (flat and profile), tongue-and-groove plate, corrugated sandwich plate
Note: Customized for special size

Machine-made Hollow Glass Magnesium Color Steel S andwich Plate

Composition:

It is a kind of lightweight building material, adopting color-coated steel plate as surface, taking hollow glass magnesium plate as sandwich material and using hot curing glue to make pressing within continuous forming machine. Glass magnesium plate is fabricated with a ternary system (including magnesium oxide, magnesium chloride and water) by adding modifying agent. As a kind of new non-combustible decoration material, it uses magnesium cementing material with stable performance, adopts neutral-alkaline glass fiber net as reinforcing material and takes lightweight material as filler.It uses special production process and is characterized by fire-proof, water-proof, odourless, non-toxicity, freezing resistance, corrosion resistance, cracking resistance, deformation resistance, non-combustible, high strength and lightweight



Specification:

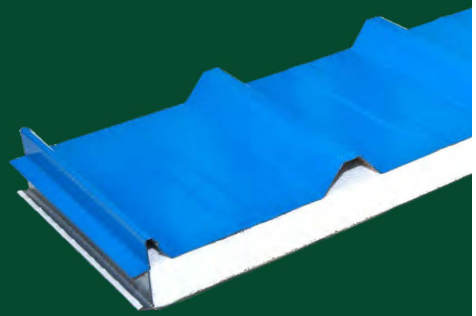
Length: As per customer demands (≤6000mm, in general)
Width: Standard plate: 950mm, 1150mm
Thickness: 50, 75, 100mm (customized)
Note: Customized for special size

BRD NEW MATERIALS (MALAYSIA) SDN. BHD

Corrugated Color Steel Sandwich Plate

Composition:

It integrates corrugated plate and sandwich plate as a whole and has a strength more than 3 times general flat color steel sandwich plate; adopts concealed type self-drilling screws to connect roof truss which will not damage the exposed part of color-coated plate and extend the life of color steel sandwich plate; cap is used for plate-plate connection, characterized by easy construction, work efficiency improvement and seepage-proof. With features of lightweight, high strength, various colors, easy and fast construction, shock-proof, fire-proof, rain-proof, long life and free maintenance, it has been widely promoted for use now.



Specification:

It is applicable to industrial and civil buildings, warehouses, special buildings as well as roofs, wall surfaces and internal & external wall decorations for large-span steel structure houses.



Overlap type



Cap type

980 Overlap Type Expandable Polystyrene (EPS) Corrugated Color Steel Sandwich Plate

Product Model: YX35-245-980
Corrugated height 30mm and corrugated distance 245mm

Composition:

Steel Plate Thickness: Upper/lower 0.25-0.8mm color steel plate/electro and hot galvanized plate/stainless steel plate
Sandwich Material: Expandable Polystyrene (EPS) with a capacity of 12-16kg/m.
Effective width of Tongue-and-groove Type: 980mm;
Thickness:50mm-150mm;
No limit for length.



Performance:

Self-weight: 10.0-13.6 kg/m
Heat Conductivity Coefficient: 0.57-0.114 kal/m2h℃
Temperature Limit: -50℃ to +120℃
Oxygen Index (01): 34.0 (Provincial Fire Products Quality Inspection Center)
Sound Insulation Performance: 19 dB (75mm)
Oxidization Index: OI≥34.0
Combustion Performance: B1 grade (flame retardant)

BAOECO

950 Cap Type Corrugated Polyurethane Color Steel Sandwich Plate

Product Model: YX35-235-950
Corrugated height 35mm and corrugated distance 235mm

Composition:

Steel Plate Thickness: 0.3-0.6 color-coated plate
Sandwich Material: Rigid Polyurethane foam plastics
Side Steel Belt: Galvanized plate with thickness of 0.4mm
Width: 950mm
Thickness: 50mm (standard), 75mm, 100mmm, 150mm



Performance:

Sandwich Material Density: 30-42 kg/m^3
Heat Conductivity Coefficient: 0.1-0.075 w/m k
Flame Retardant: B1 (only carbonization without combustion)
Oxidization Index: OI≥44.2
Smoke Density Grade: SDR≤2
Compressive Strength: 1.5-5.0MPa

950 Cap Type Corrugated Rock Wool Color Steel Sandwich Plate

Product Model: YX35-235-950
Corrugated height 35mm and corrugated distance 235mm

Composition:

Steel Plate Thickness: 0.3-0.6 color-coated plate
Sandwich Material: Rock wool with specific gravity of 120kg/m^3
Side Steel Belt: Galvanized plate with thickness of 0.4mm
Width: 950mm
Thickness: 50mm (standard), 75mm, 100mmm, 150mm



Performance:

Heat Conductivity Coefficient: 0.046w/m k
Maximum Operating Temperature: About 500℃
Combustion Performance: Grade A (Non-combustible)

Handmade Color Steel Sandwich Plate

As a kind of reinforced composite sandwich plate, handmade plate is developed and design against many defects for general purification plates such as low strength and poor binding. It is produced by combination of handmade and semi-mechanical type, and can be customized on length and width in accordance with the engineering requirements from customers and have combined installation which will not only greatly reduce foundation engineering and structure cost of building, but also can be assembled and disassembled for many times with characteristics of easy construction installation and obvious comprehensive effect.

Surface Material: Plates with specific purification materials such as Color-coated plate, galvanized plate, stainless steel plate, anti-static plate and anti-corrosion plate

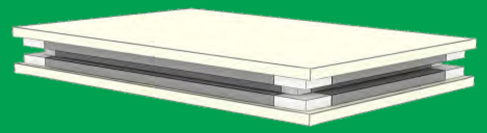
Internal sandwich material: Including inorganic material (glass magnesium plate, gypsum plate), rock wool, aluminum silicate wool, glass magnesium wool, polyurethane (PU), paper (aluminum) honeycomb, expandable polystyrene (EPS), plastic extruding (PE), etc.

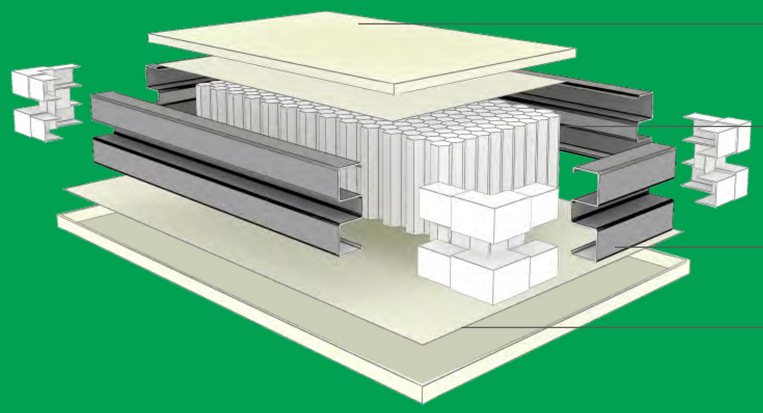
Structure Frame: Cold-drawn galvanized plate frame or plastic-steel frame.

Physical and Chemical Performance: Its steel surface adopts high grade polyester baking coating, aluminum-zinc coating and stainless steel plate with good corrosion resistance; with Grade A flame retardant substances as filling material, it will have no breakage and dripping caused by high temperature decomposition during burning. It is a kind of fire-proof building decoration composite plate with high grade in China characterized by high strength, impact resistance and good shock-proof.

Product Features: Handmade plate characterized by smooth and beautiful appearance, high strength, sound insulation, thermal isolation, heat insulation, shock-proof, customized size, convenient connection, easy assembling/disassembling, no exposure of sandwich material and convenient construction.

Application Scope: It is widely used for clean room shield, suspended ceiling, industrial factory building, warehouse, refrigeration house, oven, air conditioner wall plate, etc. in hi-tech electronic, medical, chemical and food industries as well as various clean fields.





Plates
Color paints
Hot-dip galvanized steel plates

Infills
Rock wool and honeycomb paper
Honeycomb aluminum,
glass magnesium, etc.

Frames
Hot-dip galvanized steel plates

Adhesives
Polyurethane adhesives

BRDECO



Handmade Rock Wool Sandwich Plate

Composition: It uses hand-made craft and two layers of steel plates filled with rock wool/mineral wool sandwich materials. Rock wool, also known as rock cotton, is a kind of mineral wool. As short and thin fluffy fiber made of natural rock and mineral, it is non-combustible.

Advantage: Good fire-proof performance, high sound insulation and superior heat insulation.

Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places.

Parameter description	
Wall Plate Thickness	50mm-150mm
Recommended Maximum Length	6000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Standard Width	980mm, 1180mm
Wall Plate Weight	15kg/m^2
Sandwich Material	High strength mineral wool
Heat Insulation Performance	0.54 kcal/m2/h/℃
Sound Insulation Performance	30 dB
Built-in Function	Embedded conduit
Fire-proof Limit	0.5 h
Sandwich Material Capacity	120kg/m^3-150kg/m^3
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate





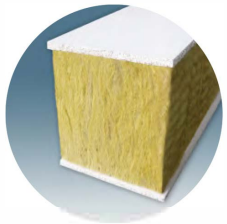
Handmade Hollow Glass Magnesium Sandwich Plate

Composition: It uses handmade craft as well as color-coated plate+glass magnesium mesh+color-coated plate.

Advantage: Good fire-proof performance, high sound insulation and superior heat insulation.

Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places.

Parameter description	
Wall Plate Thickness	75mm, 100mm, etc.
Recommended Maximum Length	4000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Wall Plate Width	100- 1180mm
Sandwich Material	Glass magnesium mesh+glass magnesium plate
Heat Insulation Performance	2.7 kcal/m2/h/℃
Sound Insulation Performance	18 dB
Built-in Function	Embedded conduit
Fire-proof Grade	A
Fire-proof Limit	1 h
Plate Width	980mm, 1180mm
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate





Handmade Glass Magnesium Rock Wool Sandwich Plate

Composition: It uses handmade craft as well as color-coated plate+glass magnesium+rock wool+glass magnesium+color-coated plate.

Advantage: Good fire-proof performance, high sound insulation and superior heat insulation.

Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places.

Parameter description	
Wall Plate Thickness	50mm-150mm
Recommended Maximum Length	6000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Wall Plate Width	600-1200mm
Wall Plate Weight	18kg/m²
Sandwich Material	Glass magnesium+high strength mineral wool
Heat Insulation Performance	1.8 kcal/m2/h/℃
Sound Insulation Performance	20 dB
Built-in Function	Embedded conduit
Fire-proof Limit	1 h
Sandwich Material Capacity	120kg/m³-150kg/m³
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate





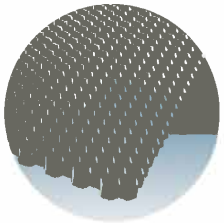
Handmade Gypsum Rock Wool Sandwich Plate

Composition: It uses handmade craft as well as color-coated plate+gypsum +rock wool+gypsum+color-coated plate.

Advantage: Good fire-proof performance, high sound insulation and superior heat insulation.

Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places.

Parameter description	
Wall Plate Thickness	50mm-150mm
Recommended Maximum Length	6000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Standard Width	980mm, 1180mm
Wall Plate Weight	15kg/m²
Sandwich Material	Gypsum+high strength mineral wool
Heat Insulation Performance	0.54 kcal/m2/h/℃
Sound Insulation Performance	30 dB
Built-in Function	Embedded conduit
Fire-proof Limit	0.5 h
Sandwich Material Capacity	120kg/m³-150kg/m³
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate





Handmade Aluminum Honeycomb Sandwich Plate

Composition: It uses handmade craft as well as color-coated plate+ aluminum honeycomb sandwich material+color-coated plate.

Advantage: High sound insulation and superior heat insulation, with lightweight.

Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places, and especially suitable for high clean level electronics production workshop.

Parameter description	
Wall Plate Thickness	50mm, 75mm, 100mm
Recommended Maximum Length	4000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Wall Surface Width	100mm-1180mm
Plate Width	980mm, 1180mm, 9500mm, 1150mm
Sandwich Material	Aluminum honeycomb, aluminum honeycomb+glass magnesium plate
Sound Insulation Performance	18 dB
Built-in Function	Embedded conduit
Fire-proof Grade	A
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate





Handmade Paper Honeycomb Sandwich Plate

Composition: It uses handmade craft as well as color-coated plate+flame retardant paper honeycomb sandwich material+color-coated plate.

Advantage: High sound insulation and superior heat insulation, with lightweight.

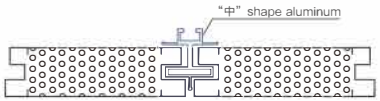
Application: It is widely used for factory building and laboratory in food, pharmacy, electronic, scientific research, aerospace and medical industries as well as functional partition and suspended ceiling in various places.

Parameter description	
Wall Plate Thickness	50mm-150mm
Recommended Maximum Length	6000mm
Maximum Length of Suspended Ceiling Plate	3000mm
Standard Width	980mm, 1180mm
Wall Plate Weight	10kg/m²
Sandwich Material	Non-combustible paper honeycomb
Heat Insulation Performance	1.8 kcal/m²/h/℃
Sound Insulation Performance	20 dB
Built-in Function	Embedded conduit
Fire-proof Grade	B
Sandwich Material Capacity	120kg/m³-150kg/m³
Suitable Plate Type	Tongue-and-groove plate, box plate, three female and one male suspended ceiling plate

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Purification Plate Splicing Method

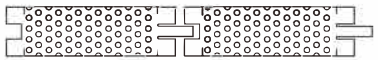
"中" -shaped connection







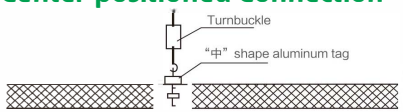
Plug-in connection







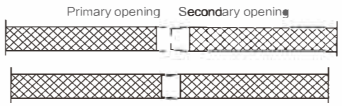
Center-positioned Connection







Tongue-and-groove Connection







Installation Diagram

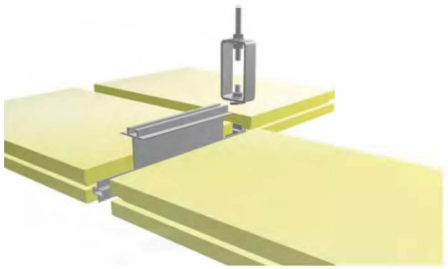
External Disassembling Diagram



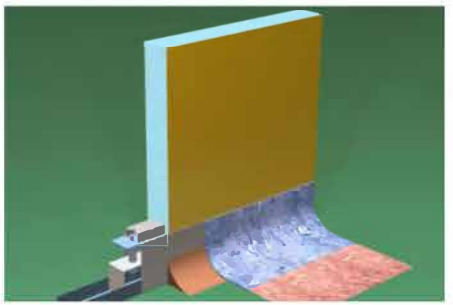
Internal Disassembling Diagram



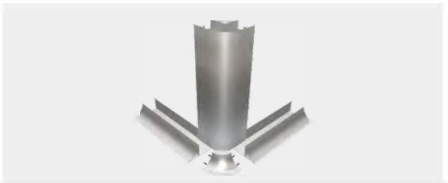
Suspended Ceiling



Terrace Fabrication Method



Wrap Angle and Wrap Edge



Connection Diagram for Wall & Ground



Color-coated Coil

Color-coated coil first takes hot galvanized plate, hot dipped aluminum-zinc plate and electro- galvanized plate as base plate, then paints a layer or several layers of organic coating on the surface after surface pretreatment (chemical degreasing and chemical conversion treatment) and at last have baking and curing. Color-coated steel belt which takes hot galvanized steel belt as base material is protected by not only the zinc layer, but also organic coating against rust. Therefore its life is 1.5 times more than that of galvanized belt.

Color-coated Coil Features

With characteristics of lightweight, beautiful appearance and anti-corrosion, it can directly processed and mainly used in advertising, building, household appliance, electric appliance, furniture and transportation industries.
Suitable resins shall be selected for coatings used by color-coated coil in accordance with various service environments, such as silicon modified polyester, polyvinyl chloride (PVC) plastisol and polyvinylidene chloride (PVDC). The users can make selection based on their demands.






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Purification Equipment



Single-person and double-blowing air shower (stainless steel door)



Sheet metal air shower



Single-person and single-blowing air shower (color steel plate)



Mechanical type pass box



Clean pass box



Clean pass box

Purification Equipment



Medical type bench



Clean bench



Stand-alone type
dust remover



High efficient air filter



Medium-efficiency electrostatic
bag type filter



Primary-efficiency
plate type filter



Clean sampling vehicle



Mobile type air self-purifier



Air self-purifier



Clean laminar flow hood



Top liquid delivery tank vent



Side liquid delivery tank vent

Purification Lamps

Aluminum Alloy Embedded Purification Lamps

Due to the features such as high sealing performance, no dust accumulation, easy cleaning, strong illumination degree and beautiful style, it is preferred for clean rooms of operating room, pharmaceutical factory and electronics factory building and wins warm praise from customers at all levels.

It is applicable to purification workshop places such as medical operating room, large-area electronics factory building and dust-free room of pharmaceutical factory.

Note: Products with non-standard size can be customized in accordance with customer demands. Emergency power supply can be provided, T5 lamps can be fabricated, surface frame can be stainless steel or cold plate spray and lampshade can be milky white or transparent.

Aluminum Alloy Embedded Purification Lamps

- Lamp support uses high quality aviation aluminum plate and stainless steel to make one-piece forming in order to ensure that the lamp is seamless without dust accumulation.
- Ultra-thin 12mm design to improve space utility rate.
- LED light source packaged by international well-known manufacturer with high light effect and low light attenuation.
- Unique side light-guide technology, with uniform illumination degree, smooth light and eyestrain mitigation.
- Characterized by no stroboflash, no UV radiation, no electromagnetic interference, no harmful substances and no harm to human body.
- Environmental protection without mercury. All materials can be recycled.

  Wide voltage start-up, constant current supply, fast response speed and no potential safety hazard.
- Obvious electricity-saving effect, with 65% energy saving when compared with general clean lamp.
- Ultra-long (3 years) quality guarantee service (non-artificial reason).

  Unique support installation method with fast and convenient installation.
- Power supply selected for the lamp has passed CQC, UL, CE and CCC quality certifications.
- Application Scope: Biopharmacy, medical and sanitation, food and health, electronics and IT industry, semiconductor manufacture industry, laboratory, etc.

Purification & Sterilization Lamps

No dust accumulation in the clean room; reaching stringent purification illumination technology requirements with high standard and high performance electronic or inductive ballast.

Application Scope: Suspended ceiling for large-area clean room. In addition, lamp belt can be provided.

Note: T5 lamp can be fabricated for teardrop lamp and emergency power supply can be provided.



Purification Doors & Windows

Finished doors and windows can be classified by materials as follows: Finished door with aluminum alloy frame, finished door with stainless steel frame, finished door with full stainless steel, steel finished window; double-layer glass observation window with round corner edge or square corner edge.









Purification Aluminum Profile


External round column


External round column of handmade plate


Double seal door material


Old type window frame aluminum


Door blanking


Fixed window material (arc creasing)


Column within the window


H shape aluminum


T shape aluminum


中 shape hanging beam


Heavy girder


中 shape aluminum


Large warp corner


Plastic base


Angle aluminum


Inner arc


Double R slot aluminum


Single R slot aluminum

Inner tee Outer two-way


Door head


Slot aluminum


Mechanically assembled central column


Mechanically assembled framework


Mechanically assembled tee


Mechanically assembled cross

Purification Accessories


Rain-proof shutter window


Double-layer shutter air port


Orifice plate type air return port


Door hinge type air return port


Single and double-layer shutter air distributor


Stainless steel floor drain


Airflow adjusting valve


Fire-proof valve


Excess pressure valve


Cylindrical knob lock


Pin tumbler mortice split door lock


European style pin tumbler mortice large panel door lock