

## Steel Trusses & Framing System

Steel Framing sections make the concept of the complete steel framed home which was first introduced and manufactured in Brunei Darussalam by Interline. Steel Frames can be fabricated in the factory or made on site. They are economical, versatile, light, strong, rigid and stable saving time and labour. Steel Frames are manufactured from two basic components: stud and plate. These two sections are assembled to form a complete panel with joints being either welded or tek screwed. These fabricated panels are applicable to wall, floor and roof framing.

### ADVANTAGES

#### DURABILITY

All sections used a hot dip (zinc or aluminum-zinc) coated conforming to various international standards and enhancing corrosion resistance to the base material. Unlike timber these sections eliminate attack from white ants, borers and rotting. At this stage these sections meet all envisaged environmental; regulation.

#### ECONOMICAL

Sections are manufactured by continuous roll forming to custom cut lengths eliminating material wastages with resultant cost savings are derived from prefabricated or site assembled panels combined with ease of erection compared to conventional forms of construction.

#### FLEXIBILITY

Using Steel Frames means your home can be built as you want, giving you design freedom. Alteration, additions and renovation are easily made. Steel Frames are suitable for applications other than houses such as office buildings, garages, facades and partitions.

#### COMPATIBILITY

Steel Frames are compatible with many conventional building materials used in construction. They are particularly useful in the renovation of old rotten timber trusses and wall partitions.

#### PERFORMANCES

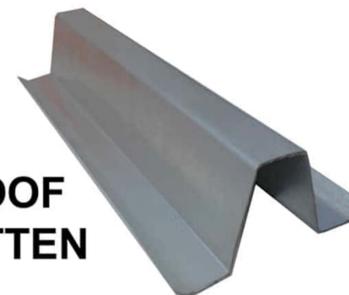
Steel Framing can be designed to suit various seismic and wind loading conditions meeting the approval of most building codes.



**Z-CHORD**



**LIPPED CHANNEL**



**ROOF BATTEN**



**C-STUD**

### Steel Trusses & Framing System Components

**Interline (B) Sdn Bhd.**

Lot 56, 57, 58 & 59 Beribi Industrial Complex II BE 1118 Gadong, P.O. Box 520 Postal Code BE 3978 Bandar Seri Begawan - Brunei Darussalam

Telp (673) 2448721-24 Fax (673) 2448725 / (673) 8227788 - Whatsapp Only - Email : [info@interline-asia.com](mailto:info@interline-asia.com)

## Portable Cabin

**Interline portable cabins** are specially custom designed and build for usage such as site office, storage facilities, classrooms, conference rooms, dining hall, commercial kitchens, single and multiple accommodation, temporary and permanent housing facilities. All units are built with forklift handling and/or lifting eyes for crane handling. Units are specially design for transportation by either a 20ft or 40ft standard platform trailers. Portable cabins can be as single, grouped or interconnecting units. They can also be supplied with 'second' roofs to present a permanent and aesthetically pleasing appearance. Size is only limited by transport limitations and various countries' building code regulations.

### DIMENSION

Units are available from the smallest required size units 12m long x 3m wide x3m high (40'x10'x10'). Size is only limited by site and transport limitation and regulations.

### STRUCTURE

**Base Skid-** Mild steel structural section frames incorporating a pair of forkliftpockets. Galvanised steel stud floor joists set out to suit flooring materials.

**Framework-** Steel stud frames and incorporating square hollow sectionswhere required by design. (Walls and roof)

### FLOORING

Generally 18mm thk. WBP ply to dry areas and finished with vinyl tiles or as client specified. Wet area floors employ a cement board base finished with ceramic floor tiles.

### DOORS

Doors can be located at almost any position around the perimeter type, with quantity and size tocustomer requirements. External doors are generally metal framed and clad. Timber and aluminum types are available. Internal doors are generally aPVC door and frame. Doors are hung on stainless steel hinges and provided with a lockset.

### WINDOWS

Windows can be located at almost any position around the perimeter to clients requirements. Generally windows are natural anodized aluminum framed double sliding type with tinted glass. Alternatives are availabl upon request including optional security screens.

### LININGS

Roof : INTERDEK or HI-RIB Colourstrong depending upon client requirements.

External Walls : INTERDEK Colourstrong cladding laid horizontally and flashed at roof, corners and any wall penetration.

Internal Walls :Dry area - linings can be WBP ply, PVC faced ply or gypsum.

Ceilings : Dry area- as for walls. Wet area-PVC T&G board or cement board.



### INSULATION

Units have roof and external walls lined with 50mm fibre-glass insulation or as client specifies.

### ELECTRICAL

All units are provided with a suitably sized main circuit breaker and weatherproof outlet socket for incoming power. The electrical installation of each unit is provided in accordance with customer requirements.

### AIR CONDITIONING

Portable Cabin units can be supplied with framed air -conditioning window unit openings. Alternatively units can be supplied and installed( split or window types)

### LIFTING

All units are provided with both a pair of forklift pockets and number four number fixed or removable top lifting eyes for forklift or craine hoisting.

### OPTIONS:

- \*On site insstallation including precast RC Foundations.
- \*Second Roofs
- \*Internal Partitions.
- \*Plumbing including water and sanitary piping and fixtures.
- \*Built in Cabinets and Furnishings.
- \*End gutters.
- \*Other client specified requirements

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## Design & Build Engineers

At Interline, we provide turnkey industrial and commercial buildings for various different purposes to owner/user on a "build to suit" basis. Our scope of services includes handling all aspects of development and construction from soil conditions, building orientation to completion of construction. Our strategies include client's complete involvement with our architects and their taste in the decision of interior and exterior designs, resulting in projects that exactly meet their needs in design, function and budget.

Main features in our D&B services includes:

Assistance on soil investigation, orientation and appraisal  
 Design/Build Value Engineering  
 Material Specification and Quality Control  
 Cost Control  
 Project management, supervision and construction  
 Full architectural and structural drawings and engineering  
 Liaison and co-ordination with relevant local authorities for building approvals

Our records have proven ourselves to be one of the local leading D&B Engineers whom have provided our services to the following areas:

Warehouses  
 Retail Buildings  
 Automobile Showroom  
 Poultry Breeder and Hatchery Buildings  
 Garment Buildings  
 Drive-in Coldrooms  
 Clean Room  
 Electronic manufacturing factories  
 Pump House / Power Plant Building

In general, all customers have one common remark; that is, "we are the quick fix for building their needs".



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## Interior & Exterior Design

At Interline, our **Interior & Exterior Design Section** was originally established to compliment most of the requirements and needs by customers who have purchase units like portable cabins, DIY multi purpose units, residential units, etc. However, over the years, our Interior & Exterior Design Section have complimented our internal related activities so well that we now have customers requesting for their Interior & Exterior Design Services on areas done by others. This service has created a new business horizon for our interior designers. We now provide services and alliances with customer and Interior and Exterior Design product suppliers and set new ideas in the field of interior design for both residential and commercial dwellers.

### Our Interior Services includes:

Design and build Kitchenette

Design and supply living and dining furnishing

Design and build Toilet, Shower and Vanity Room

Decorative Ceiling and artificial column design

Light and Lighting effects

Sound and Acoustic effects

Decorative Floor and colour effects

Indoor and outdoor fountains and recreational garden ponds

Landscape and turfing



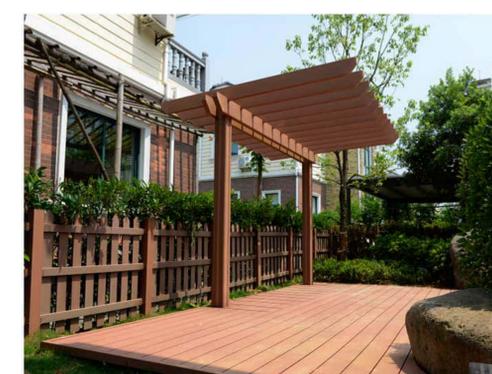
**3d Board Wall Panel**



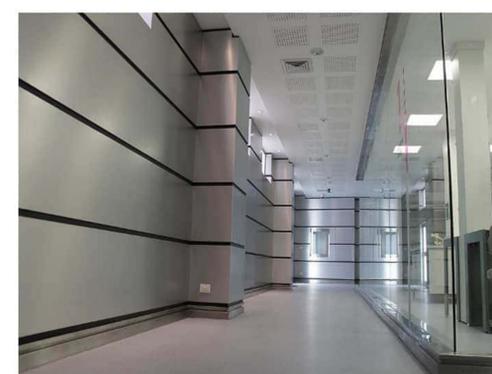
**Wood Plastic Composite (WPC)**



**Aluminum Composite Panel (ACP) for Exterior Design**



**Wood Plastic Composite (WPC) for Outdoor Decking and Recreational Design**



**Aluminum Composite Panel (ACP) for Interior Design**



**Tangram 4d Leather Soft Panel**

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## Pre Engineered Steel Structure

Interline pre-engineered steel structures provide our client with professional, reliable and accurately designed engineering fabrication of steel buildings from both heavy to light steel structural members. The pre-engineered steel structures are widely used in the construction of steel buildings for commercial, industrial and residential purpose in the region.

Interline pre-engineered steel structures includes complete customized computer design and detailed facades, overhead cranes, mezzanines, multi storey and roof framing system. At Interline, we also provide standard light gauge steel framing structures sold in kit form on a do-it-yourself basis, like garages, garden shed, site offices and temporary housing shelters.

The advantages of Interline pre-engineered steel structure buildings are:.

- \*Flexibility in design
- \*Long span column-free, maximizes the space usage
- \*Permit future extension of buildings on module system
- \*Speed in construction, from design stage to completion of buildings in weeks, not months
- \*Cost effective as compared to conventional building system
- \*State of the art designed system with 3D-software analysis providing product reliability
- \*Design conforms to British Standards for steel structures coding
- \*Quality Assurance by the 1st company to achieved the ISO 9000 Quality Management System in Brunei Darussalam (ISO9001 Certificate No. BVQI 52832 dated July 1992)



**Pre Engineered Structural System**



**Pre Engineered Light Steel Gauge Framing System**

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## KIT HOMES

Interline Kit Homes are designed and pre-engineered for easy assembly. These houses can be erected at site in a very short duration of time. Full installation and maintenance literature complete with easy to follow marking plans are provided as part of our standard kit.

Some of the many advantages Interline Kit Homes have to offer are:

High strength meeting most local building authority standards for residential, industrial and commercial buildings

High penetration resistance

Light weight

Vapour barrier

Low energy cost savings

Better protection and safety

Environmental conservation

Fire retardant

Seismic resistance

Vermin and pest resistance, especially those in tropics with termites problem

Design flexibility

Clear span interior

Construction cost savings

Good insulation value (R value = 1.97m<sup>2</sup>/KW)

Good roof acoustic value, especially on tropical areas with heavy rainfall



Low Cost Housing Scheme



Perspective Proposal



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## Wrought Iron Products

The wrought iron component directly from Italy is now available in Brunei Darussalam via Interline. At Interline, we fabricate gates, stairways hand rails, fences, window grilles and other home decorative fixture and guarantee long lasting performance. We also provide specialised services on design, technical and detailed drawings.

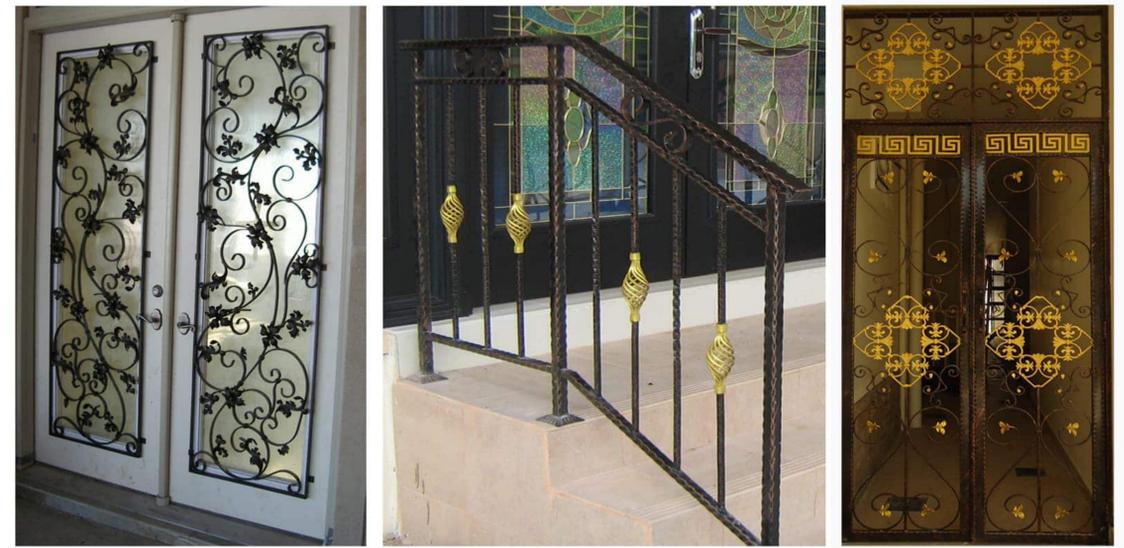
Customers can participate in the design of the wrought iron fixtures. There are over 1000 illustrated wrought iron parts ready for specifying and designing. Wrought Iron provides a solid and precious ally for transforming a house into a mansion.

**Wrought iron is extremely durable.** It's almost impossible to break or damage. However, you should be careful to keep a good paint job on the wrought iron to avoid rust, but other than that, it requires almost no maintenance and is weather-resistant.

**Wrought iron is a very heavy material, which means it's not going to blow over or away in a wind storm.** The sturdiness of the material also means that designers can be more creative while still providing the necessary weight-holding strength.

**Wrought iron is a highly malleable material** so it can be worked into intricate, unique, and visually appealing shapes.

**Wrought iron products can be expensive, but when compared to other materials that could provide some of the benefits listed above, the cost of wrought iron typically compares favorably.** And of course its superior durability lessens any cost because you're almost never going to have to repair or replace wrought iron furniture as long as you keep it from rusting. Don't let the perceived expense of wrought iron furniture keep you from considering it. All things taken into account, it's a great buy.



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# Stainless Steel Products

Interline Fabricate Stainless Steel for gates, stairways handrails, fences, window grills and other fixture for buildings for both practical and aesthetic reasons. Because of the durability of the material, many of these ornaments & buildings retain their original appearance.

## Corrosion resistance

All stainless steels have a high resistance to corrosion. Low alloyed grades resist corrosion in atmospheric conditions; highly alloyed grades can resist corrosion in most acids, alkaline solutions, and chloride bearing environments, even at elevated temperatures and pressures.

## High and low temperature resistance

Some grades will resist scaling and maintain high strength at very high temperatures, while others show exceptional toughness at cryogenic temperatures

## Ease of fabrication

The majority of stainless steels can be cut, welded, formed, machined and fabricated readily.

## Strength

The cold work hardening properties of many stainless steels can be used in design to reduce material thicknesses and reduce weight and costs. Other stainless steels may be heat treated to make very high strength components.

## Aesthetic appeal

Stainless steel is available in many surface finishes. It is easily and simply maintained resulting in a high quality, pleasing appearance.

## Hygienic properties

The cleanability of stainless steel makes it the first choice in hospitals, kitchens, food and pharmaceutical processing facilities.

## Life cycle characteristics

Stainless steel is a durable, low maintenance material and is often the least expensive choice in a life cycle cost comparison.



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# ALUBANG

## Aluminum Composite Panel

**Aluminum composite panel** referred to as aluminum panels, and surface treatment is used as a surface coating of aluminum paint, polyethylene plastic sheeting as the core, after a series of processing composite made of new material. Aluminum Composite Panel received a large number of excellent material properties, such as luxury nature, colorful decoration, weathering, corrosion resistance, beat up, fire, moisture, sound insulation, heat insulation, shock resistance; light weight, easy processing, easy handling Installation, can be fast and the whole construction and other features, these features open a wide aluminum plate for the use of prospects.

### ADVANTAGES

#### Light Material

Light weight, yet extremely rigid and flat. Saves 40% of weight compared to solid aluminium sheet. Fabricates and installation is easy, providing cost-efficiency advantage on supporting structure and fasteners.

#### Corrosion and Weather Resistant

Stove lacquered surface with PVDF paint provides excellent resistant to weathering, corrosion and temperature changes.

#### Sound Insulation

Dampens vibration and has good sound transmission loss properties.

#### Endless Color Options

Available in many standard colors (refer to our color chart for your color choice). Customised color is also available on request when a sample color is provided.

#### Aluminium Composite Panel Fire Resistance

The fire proof aluminium composite panel is composed by two aluminium sheets and non halogen fire resistance polyethylene core. The product meets the building A class and B class fire resistance required.

#### High strength

The fire resistant aluminium composite panel is a high quality aluminium with greatly enhanced strength, to ensure the performance of wind pressure resistance, shockproof, and anti-impact.

#### Smooth Surface

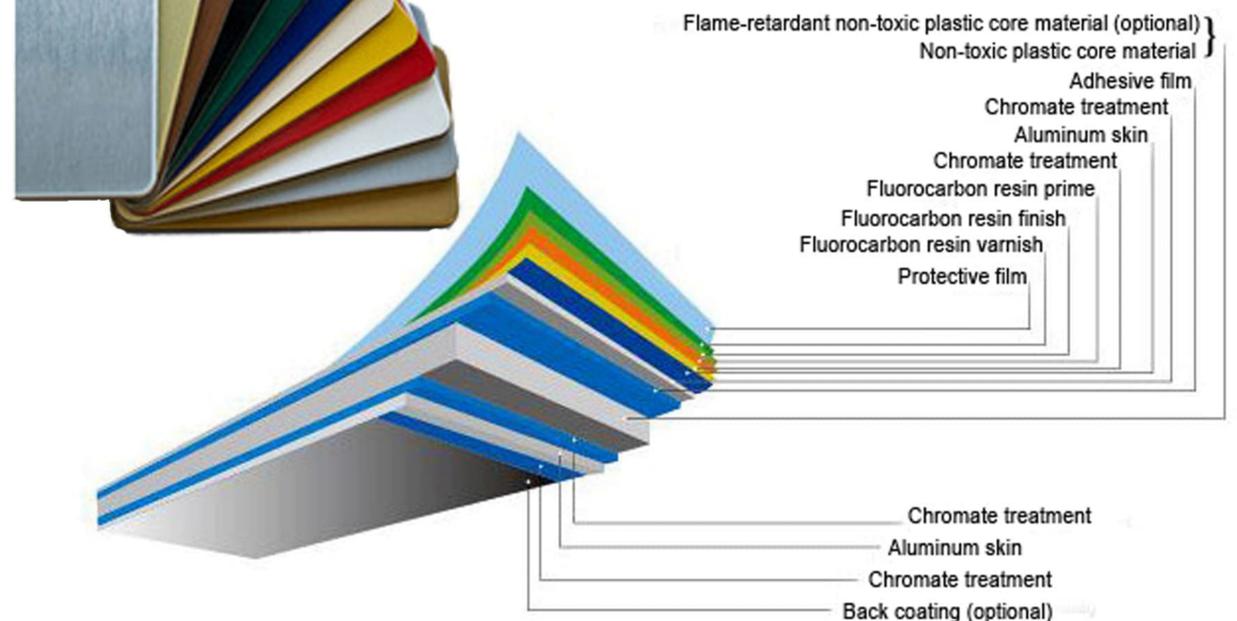
The fire resistant aluminium composite panel provides superior and smooth surface, satisfying the modern buildings with a perfect appearance.

#### Easy Processing

Aluminium composite panel is easy to cut, slot, punch, and bend into circular shapes, rectangular and other shapes. It can also be designed to various modelling according to designs.



### ALUMINUM PLASTIC COMPOSITE STRUCTURE



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## 3D BOARD

**3D Board** manufactures an exciting range of decorative interior wall tiles that are taking Interior Design to a new level. Our designs herald the beginning of a new trend of wall furnishings. Feature walls are no longer restricted to a mere splash of colour or pattern, unleash your creative spirit with 3D Board to create the perfect mood in any room of your home or business. 3D Board combines cutting edge technology with environmentally friendly recycled plant and bamboo fibre to produce a cleaner, greener product. At a time when we all want to do our best to protect our planet here is a product that provides high quality, interior decoration possibilities that will enhance, not harm, the environment. The design applications of 3D BOARD are limited only by your imagination and it can be utilized to create high impact feature walls or a more subtle and subdued atmosphere of elegance and refinement.

### ADVANTAGES

3D wall panel is a high quality, artistic and durable 3 Dimensional wall finish. It can be utilized to create stand alone feature walls or a more subtle and subdued atmosphere to elegance and refinement through out the home or business.

#### Four (4) sizes:

300x300mm, 500x500mm, 625x800mm and 1000x1000mm, with **44 unique designs**,

#### Four(4) categories for 3D wall panel,

3D BOARD G2I :Original color, paintable, 100% biodegradable  
3D BOARD G2I-Z: Original color,, fireproof-grade B1  
3D BOARD G2I-F: white color, water proof  
3D BOARD G2II: colored, 13 colors available. water proof

#### The main features for 3Dboard are as follows:

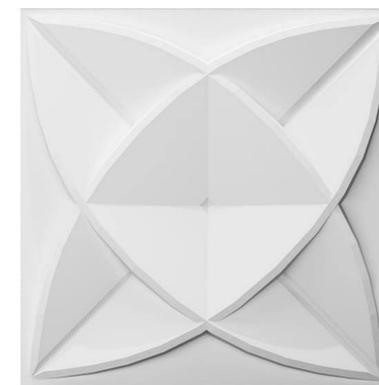
1. Elegant in style--3D Modern design
2. Eco-friendly=raw material+manufacture process+installation & application+ recyclable
3. Color: it is can be painted with any paint



Color can be customized;



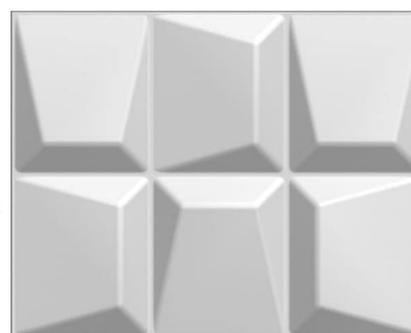
PEONY



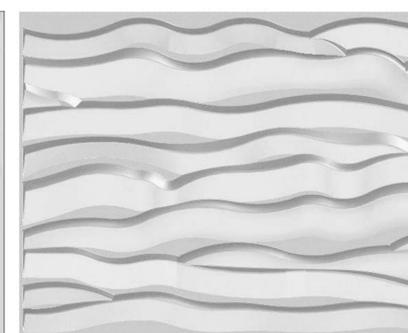
COSMOS



SPRING



MOSAICS



BEACH



INREDA

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## Tangram 4d Leather Soft Panel

**TANGRAM 4d** Leather Soft Panel is made from PU foam and both sides covered on faux leather. Tangram 4d Leather Soft Panel are beautiful and soft but strong so people like to watch and touch. Some of features of the materials are fire, water, sound, hot or cold temperature, collision resistant and more. Tangram soft Leather Panels are much more practical than wall papers and much easier to install compared to ceramic and can be used in residential and commercial projects. They will work great for Home Theatres and entertainment rooms decoration due to there soundproofing qualities.

### ADVANTAGES

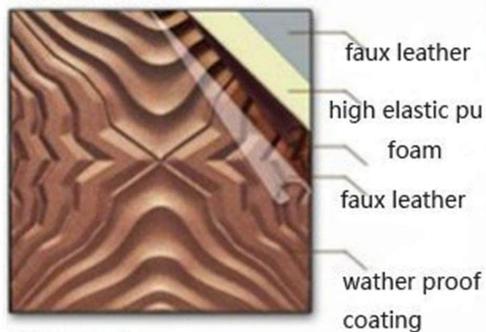
**Acoustics/Sound Proofing:**  
Reduces the sound that are suitable for Home theatre and entertainmet rooms.

**Temperatura Regulator:**  
Believe it or not, leather panel is self regulating as far as temperature is concerned. In the cold of winter it holds in the heat, in the heat of summer, it keeps the room cool!



Varieties of designs and color can choose.

Constructions of each panel



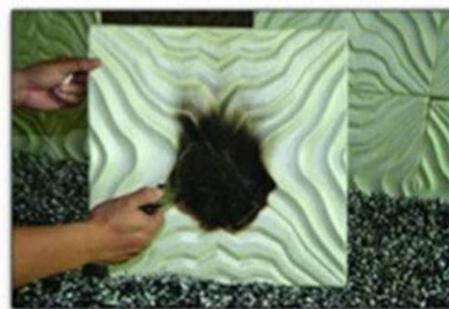
Water proof test



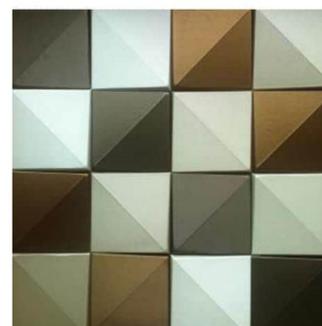
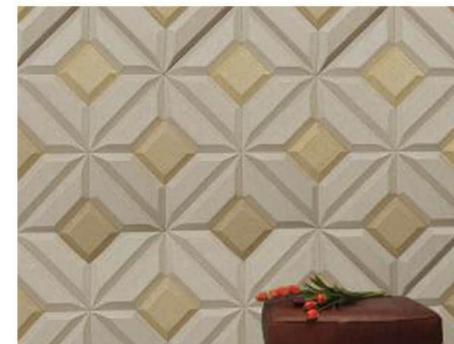
Fire proof test



Burning for a while



Flameout, carbonize



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# Anji Weilong Wood Plastic Composite

**Wood Plastic Composites (WPC)** are mixtures of wood fibre and a synthetic resin. Wood Plastic Composite (WPC) is a revolutionary inventions in building & decoration material filed, wood plastic composite materials are mainly made into outdoor decking, fencing, railing, roofing and other public amenities like outdoor bench, rubbish bin, planter and so on. In the meantime, it's also getting more and more popular in indoor building decoration industry, as people decorate their rooms with these composite-material-made wall panel, flooring, carpet, just to name a few.

## ADVANTAGES

### Corrosion Free:

WPCs do not corrode and are highly resistant to rot, decay, and Marine Borer attack, though they do absorb water into the wood fibers embedded within the material.

### Good Workability:

They have good workability and can be shaped using conventional woodworking tools. WPCs are often considered a sustainable material because they can be made using recycled plastics and the waste products of the wood industry.

### Moldable:

One advantage over wood is the ability of the material to be molded to meet almost any desired shape. A WPC member can be bent and fixed to form strong arching curves.

### Variety of Colors:

Another major selling point of these materials is their lack of need for paint. They are manufactured in a variety of colors, but are widely available in grays and earth tones.



Outdoor Decking



Fencing & Railings



Variety of Colors



Outdoor Bench

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# HEGE Prefab House

HEGE Prefab houses are built out of boxes, called modules, which are constructed off site, transported to a building lot, and assembled into a finished home. All of the materials - from framing, roofing, and plumbing to cabinetry, interior finish, and electrical - are identical to what you would find in a conventional "stick-built" home. The most striking thing about a modular home is not anything you can see, nor how it is made, but where it is made: in a modern factory designed to build good-quality modular homes.

## The advantages of Light steel villa :

### 1)Stable steel structure:

The mainly structure of prefab house is light steel structure and sandwich panel. They form a stable structure so it can resist 9-11 grade hurricane and 7-8 grade earthquake.

### 2)Quick Installation:

Five skilled workers can finish installing 300m2 villa in a month.

### 3)Flexible layout:

The partition wall, window, ceiling, door are optional for clients.

### 4)Long service life:

The components of house can be used repeatedly, so its service life can reach up to more than 35 years in normal environment.

Following is our main material of the Light Steel Villa, please check it as reference, also we would design according to your needs:

main structure

steel structure

roof :

sandwich panel +glazed tile /bituminized tile/resin tile

wall :

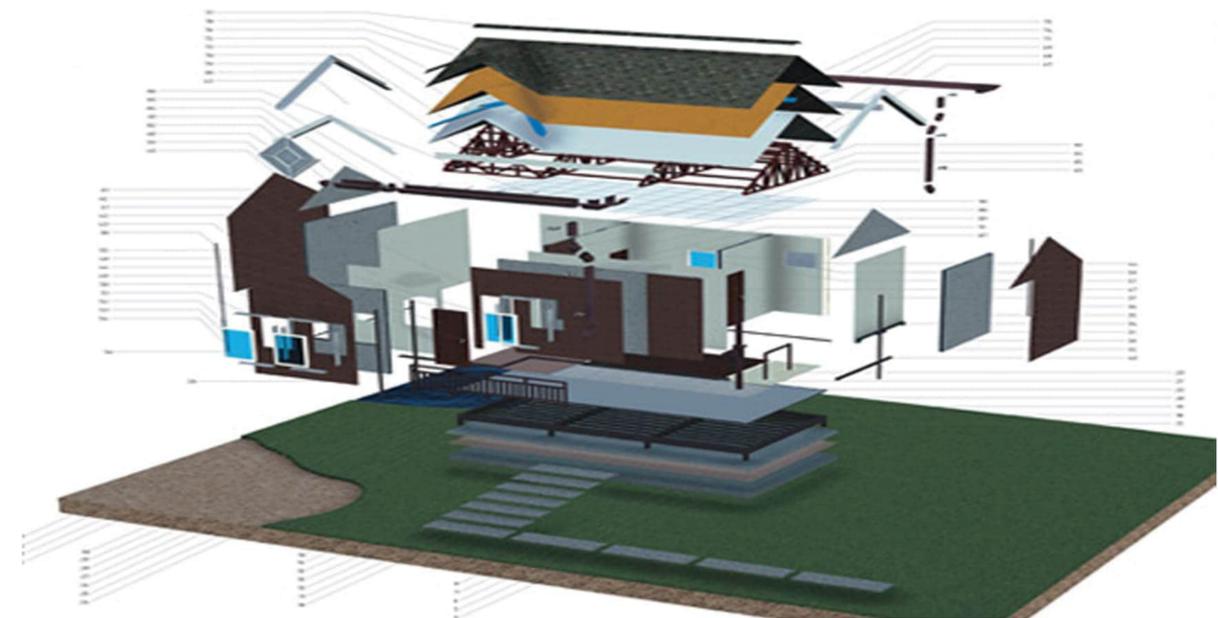
sandwich panel+ pvc hanger/embossed metal insulation cladding

Door and window:

According to your requirement

sandwich panel:

EPS ,ROCK WOOL ,PU,XPS cement



## Application:

- \*Temporary housing for citizens in the construction area
- \*Temporary office and accomodation on construction site
- \*Temporary commanding station, hospital, canteen and school during the process of disaster relief
- \*Temporary office building, warehouse, canteen, equipment, shelter in factory
- \*Temporary housing and entertainment area in resort area
- \*Extended part on existing building

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## HI-RIB 500 CONCEALED FIXED ROOF & WALL CLADDING

**HI-RIB** is produced in long length and is suitable for roof and wall cladding applications. Each sheet has 500mm cover width and is designed to lock down over concealed fixing clips which in turn are fixed to the supporting members. It is manufactured locally by continuously roll-forming a prefinished material giving a low cost and high quality product.

### ADVANTAGES

#### COST SAVINGS

HI-RIB is produced in three thickness so you can choose the one that suits your needs at least material cost. With its high strength and rigidity supports can be widely spaced to reduce under structure costs. Fixing is by the concealed fixing clip fastening method

#### PROTECTION

Colourstrong, PVF<sup>2</sup> and Galvalume coated steel provide the best protection from the environment and gives long to any building.

#### LONG SPANS

The profile has been designed so that a very strong section has been produced. This allows the use of wide support spacings while still being able to resist wind and other loads

#### COVERAGE

Each sheet of HI-RIB comprises 3 ribs 50mm high with an effective coverage of 500mm +/-2.

#### ROOF PITCH

Recommended minimum roof pitch is 1° (1 in 60). When the ribs of HI-RIB are snapped together an anti-capillary space is formed which prevents the entry of water. Because of the deep and widely spaced ribs. HI-RIB has very good water run-off capabilities

#### LENGTHS

HI-RIB can be factory rolled and cut to any customer specified length. Length is only restricted by transport limitation.



RE-ROOFING OF HI-RIB ON FLAT ROOF AREA AT EMPIRE HOTEL BRUNEI

### SUPPORT RECOMMENDATIONS

#### MAXIMUM SUPPORT SPACINGS(NON CYCLONIC)

Area	: Non-cyclonic
Max. Building Height	: 5m
Wind Velocity	: 50m/s
Internal Pressure Coefficient	: +/- 0.2
Terrain Category	: 3



#### MAXIMUM SUPPORT SPACING (NON -CYCLONIC)

MATERIAL THICKNESS	ROOF SPANS					WALL SPANS			
	SINGLE	END	INTERNAL	OVERHANG		SINGLE	END	INTERNAL	OVERHANG
				UNSTIFFENED	STIFFENED				
0.42 BMT	1000	1300	1400	200	600	2200	2200	2400	300
0.48 BMT	1600	1900	2200	200	600	2300	2700	2900	400
0.57 BMT	2200	2400	2800	300	900	2600	2900	3000	600

Interline (B) Sdn Bhd.

Lot 56, 57, 58 & 59 Beribi Industrial Complex II BE 1118 Gadong, P.O. Box 520 Postal Code BE 3978 Bandar Seri Begawan - Brunei Darussalam

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# INTERDEK

## ROOF & WALL CLADDING

**INTERDEK** is a modern, stylish, high strength, light weight roof and wall cladding material. Made from high tensile steel, the profile has been engineered to give high strength and rigidity using minimal materials. Its is manufactured locally by continuous roll forming of prefinished steel coil giving a low cost high quality product.

### ADVANTAGES

#### COST SAVINGS

INTERDEK is produced in three thickness so you can choose the one that suits your needs at least material cost. With its high strength and rigidity, supports can be widely spaced to reduce under structure costs. Fixing is by the simple pierce fastening method.

#### PROTECTION

Colourstrong, PVF<sup>2</sup> and Galvalume coated steel provides the best protection from the enviroment and gives long to any building.

#### LONG SPANS

INTERDEK, although having widely spaced ribs, is remarkably strong and has the ability to recover after the application of excessive loadings. This allows the use of wide support spacings while still being able to resist wind and other loads.

#### COVERAGE

INTERDEK has an effective coverage of 760mm when laps of one rib are used. Cladding depth is 29mm.

#### ROOF PITCH

Recommended minimum roof pitch is 3° (1 in 20). Water entry is prevented by the anti-capilliary drain, built into the underlap rib.

#### LENGTHS

INTERDEK can be factory rolled and cut to any customer specified length. Length is only restricted by transport limitations.



### SUPPORT RECOMMENDATIONS MAXIMUM SUPPORT SPACINGS(NON CYCLONIC)

Area	: Non-cyclonic
Max. Building Height	: 5m
Wind Velocity	: 50m/s
Internal Pressure Coefficient	: +/- 0.2
Terrain Category	: 3



### MAXIMUM SUPPORT SPACING (NON -CYCLONIC)

MATERIAL THICKNESS	ROOF SPANS					WALL SPANS			
	SINGLE	END	INTERNAL	OVERHANG		SINGLE	END	INTERNAL	OVERHANG
				UNSTIFFENED	STIFFENED				
0.42 BMT	1000	1000	1700	150	300	1800	1800	2200	AS PER ROOF
0.48 BMT	1500	1700	2300	200	350	1950	2050	2800	AS PER ROOF
0.57 BMT	2100	2300	2700	300	450	2400	2400	3000	AS PER ROOF

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# INTERCURVE

## CURVED STEEL ROOF & WALL CLADDING

**INTERCURVE** is an innovative concept of curved sheeting which allows imaginative free floating design in metal architecture. Interdek hi-tensile steel sheeting can be curved to virtually any radius or curving angle and combined with straight sections, provides a modern styleish high strength roof with aesthetically curved edges and smooth lines. INTERCURVE is equally suitable for domestic, industrial and commercial applications such as walkway covers, awnings, fascades, bus shelters, boathouse, garages, conveyor covers and for roof apex vents.

### FEATURES

#### ATTRACTIVENESS

Building can now have a smooth exterior with rounded corners and edges giving the creative designer much more scope and design freedom.

#### ECONOMY

Costly fascia work and waterproofing is minimized. The amount of supporting frame work is less thus reducing overall building costs. Also installation time is reduced because less sheets are used over the same area, and it is much easier to install.

#### VERSATILITY

The variety of applications for INTERCURVE is only limited by the imagination.

#### STRENGTH

Made from Interdek Hi-tensile steel cladding. INTERCURVE is extremely strong as the crimped indentions serve to improve the strength in the curved regions.

#### LENGTHS

INTERCURVE can be factory rolled and curved to any customers specified length. Length and curvature may be limited by transport For further details, please contact our Sales Office

#### COVERAGE

INTERCURVE has a coverage of 760mm +/- 4mm and is used with Interdek 760mm Roof and Wall Cladding.



### APPLICATION TYPES OF BENDS

INTERCURVE can be formed to convex or concave curves with a minimum radius of 470mm measured to the internal face of the curve. The processor of crimpcurving is very accurate and is achieved by crimping the sheet at predetermined distances and depths in a computer controlled machine which, once set, can repeat the curving with great accuracy.



**MINIMUM CURVATURE** : 470mm RADIUS

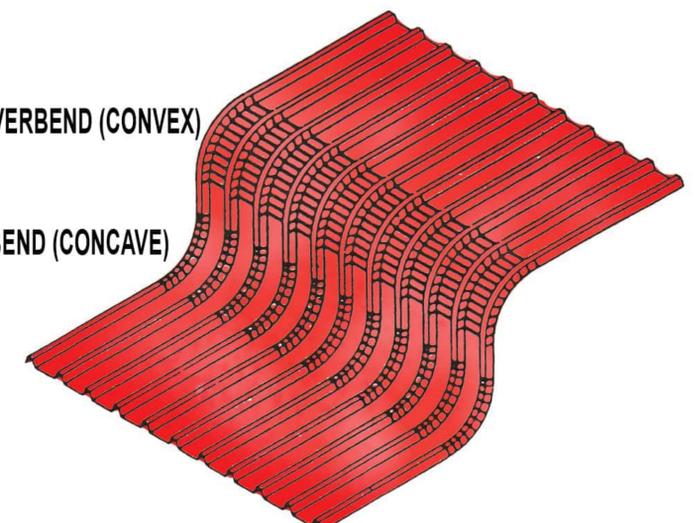
**MAXIMUM CURVATURE** : UNLIMITED

**SHEET WIDTH** : 760 mm

**CURVATURE TOLERANCE** : +/- 5.0mm RADIUS

OVERBEND (CONVEX)

UNDERBEND (CONCAVE)



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## CORRUGATED ROOF & WALL CLADDING

**CORRUGATED** is a practical, good looking roof and wall material, made from light gauge high tensile steel giving a light, strong and long spanning profile. It is manufactured by continuously roll-forming pre-finished steel coil giving an economical quality product.

### ADVANTAGES

#### COST SAVINGS

CORRUGATED is produced in three thicknesses so you can choose the one to suit your needs at least material cost. With its high strength and rigidity support can be widely spaced to reduce under structure costs. Fixing is by the simple pierce fastening method.

#### PROTECTION

Colourstrong, PVF<sup>2</sup> and Galvalume coated steel provide the best protection from the environment and gives long to any building.

#### LONG SPANS

CORRUGATED is made from tensile steel and has closely space ribs which have been engineered to give high strength. This allow wide support spacings while still being able to resist wind and other loads.

#### COVERAGE

CORRUGATED has an effective coverage of 760mm when laps of 1.5 corrugation are used. Cladding depth is 16mm.

#### LENGTHS

CORRUGATED can be factory rolled and cut to any customer specified length. Length is only restricted by transport limitation.

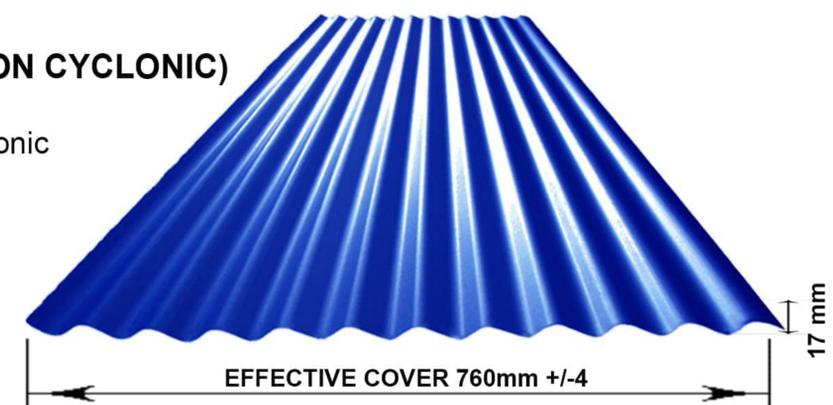


**SUPPLY AND INSTALL CORRUGATED ROOFING AT BOUSTED BERAKAS**

#### SUPPORT RECOMMENDATIONS

##### MAXIMUM SUPPORT SPACINGS(NON CYCLONIC)

Area	: Non-cyclonic
Max. Building Height	: 5m
Wind Velocity	: 50m/s
Internal Pressure Coefficient	: +/- 0.2
Terrain Category	: 3



##### MAXIMUM SUPPORT SPACING (NON -CYCLONIC)

MATERIAL THICKNESS	ROOF SPANS					WALL SPANS			
	SINGLE	END	INTERNAL	OVERHANG		SINGLE	END	INTERNAL	OVERHANG
				UNSTIFFENED	STIFFENED				
0.42 BMT	700	900	1200	200	300	1200	1350	1800	AS PER ROOF
0.48 BMT	700	1200	1600	250	350	1500	1800	2400	AS PER ROOF
0.57 BMT	900	1500	2400	350	450	2000	2400	2700	AS PER ROOF

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## KAPITAN CONTINUOUS METAL ROOF TILE

**KAPITAN** is a stylish solution for metal tile roofing by incorporating the same weatherproof principle used in long length sheeting. **KAPITAN** is made from light gauge high tensile steel giving a light, strong and rigid profile. It is manufactured by continuously roll forming pre-finished steel coil giving an economical quality product.

### ADVANTAGES

#### COST SAVINGS

KAPITAN is produced in three thickness so you can choose the one that suits your needs at least material cost. Fixing is by far the simplest pierce fastening method to steel or timber batten.

#### PROTECTION

Colourstrong, PVF<sup>2</sup> and Galvalume coated steel provide the best protection from the environment and gives long to any building.

#### COVERAGE

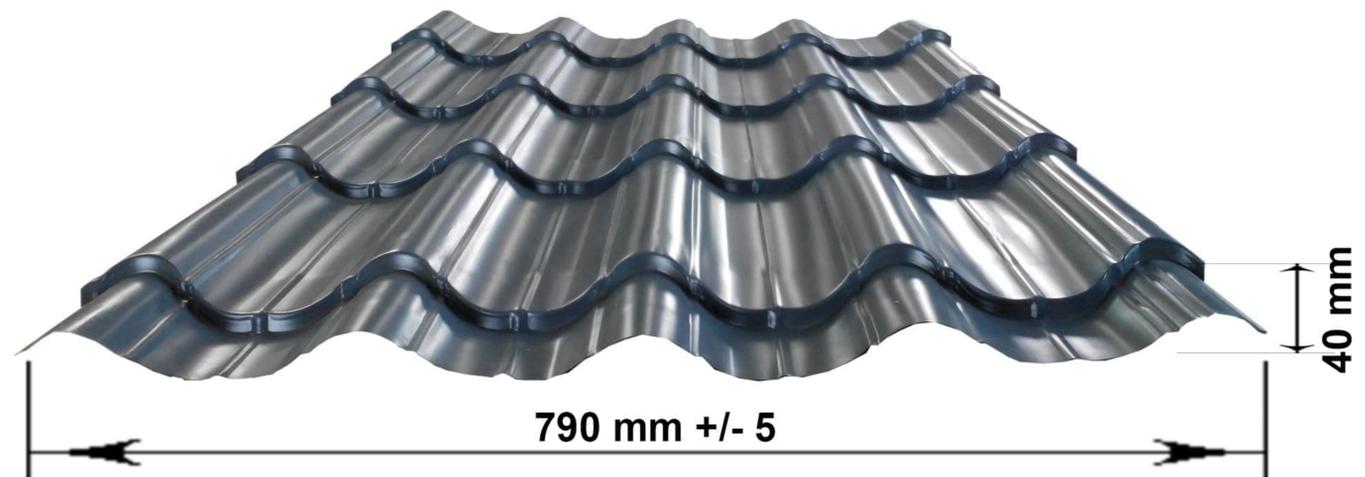
KAPITAN has an effective coverage of 790mm when laps of one rib are used.

#### ROOF PITCH

Recommended minimum roof pitch is 8° (1 in 7).

#### LENGTHS

KAPITAN can be factory rolled and cut to any customer specified length. Length is only restricted by transport limitations.



### SUPPORT RECOMMENDATIONS MAXIMUM SUPPORT SPACINGS (NON CYCLONIC)

Area	: Non-cyclonic
Max. Building Height	: 5m
Wind Velocity	: 50m/s
Internal Pressure Coefficient	: +/- 0.2
Terrain Category	: 3

Eaves and ridge first two space = 300mm  
Midspns=600 mm

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# S-LOK

## STANDING SEAM ROOF & WALL CLADDING

**S-LOK** is high tensile sheeting offers versatility, rigidity, strength and complete water seal installation. S-Lok provides a complete water proof as the joints being seam lock splashes.

### ADVANTAGES

#### COST SAVINGS

S-LOK is produced in three thickness so you can choose the one that suits your needs at least material cost. With its high strength and rigidity supports can be widely spaced to reduce under structure costs. Fixing is by the concealed fixing clip fastening method

#### PROTECTION

Colourstrong, PVF<sup>2</sup> and Galvalume coated steel provides the best protection from the enviroment and gives long to any building.

#### LONG SPANS

The profile has been designed so that a very strong section has been produced. This allows the use of wide support spacings while still being able to resist wind and other loads.

#### COVERAGE

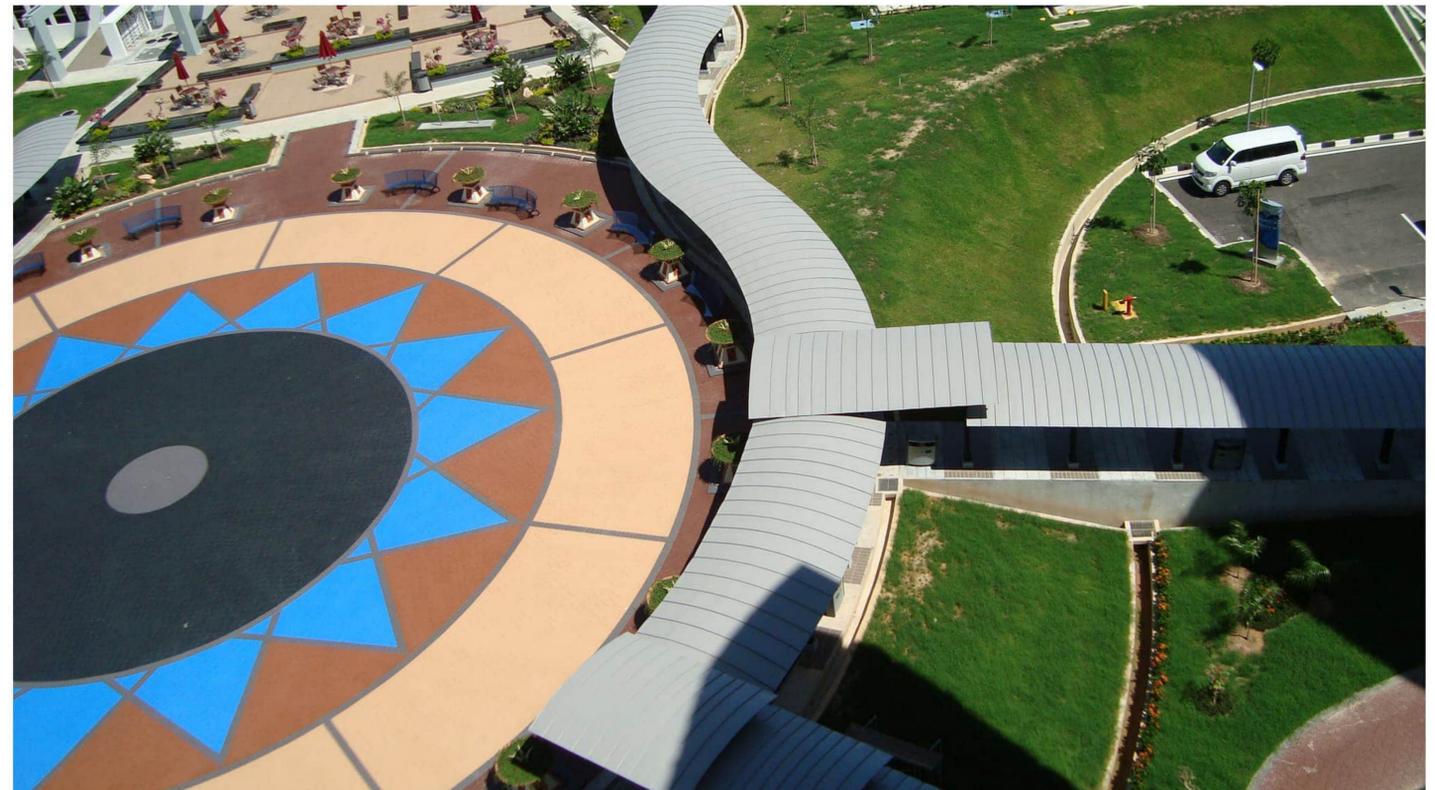
Standard width of production is 390 mm. Formation of any customer specified width can be undertaken. Minimum width 300mm. Maximum width 863mm.

#### ROOF PITCH

Recommended minimum roof pitch is 1° for double lock standing seam. Recommended minimum roof pitch is 6° for dsingle lock standing seam.

#### LENGTHS

S-LOK can be factory rolled and cut to any customer specified length. Length is only restricted by transport limitations. For large quantity and longer lengths roll forming at site canbe undertaken with prior arrangements.



### SUPPORT RECOMMENDATIONS MAXIMUM SUPPORT SPACINGS(NON CYCLONIC)

Area	: Non-cyclonic
Max. Building Height	: 5m
Wind Velocity	: 50m/s
Internal Pressure Coefficient	: +/- 0.2
Terrain Category	: 3



### MAXIMUM SUPPORT SPACING (NON -CYCLONIC)

MATERIAL THICKNESS	ROOF SPANS					WALL SPANS			
	SINGLE	END	INTERNAL	OVERHANG		SINGLE	END	INTERNAL	OVERHANG
				UNSTIFFENED	STIFFENED				
0.42 BMT	1000	1300	1400	200	600	2200	2200	2400	300
0.48 BMT	1600	1900	2200	200	600	2300	2700	2900	400
0.57 BMT	2200	2400	2800	300	900	2600	2900	3000	600

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# EuroZip® 65 Profile

## STANDING SEAM ROOF & WALL CLADDING

**EuroZip 65** is zip lock series standing seam system combines the effectiveness of the conventinal clip fixed systems and series and a double seam lock. It provided a system that allows virtually unlimited thermal expansion and contraction . The zip seaming system on the other hand gives the system on the other hand gives the system excellent restraining strength required to withstand strong wind uplifts.

### WEATHERING

With standard pan widths of 400 and Seam Rib heights of 65mm, this profile provies excellent water shedding properties and flexibility in design allowing for roofs with as low as 1.5 degree pitch. Other standard pan widths of 300 and 500 are also available. Pans varying widths (tapered) are also available from widths of 250 to 500mm (as optional extras) Coupled with its concealed fixing and non-puncturing fastening system, it provides excellent weathering even for the highest intensity rain falls.

### SUBSTRATES & FINISHES

EuroZip 65 is available in stainless steel, aluminum and even coated steel of various finishes and amongst them include Colorcoat HPS200® Ultra (200 microns High Performance Plastisol), PVF2, polyester, various mill embossed finishes for aluminum and stainless steel.

### MANUFACTURING FLEXIBILITY

For better execution, our profiling machines are transportable and housed in standard container units allowing for "on site forming" for virtually unlimited sheet lengths(eliminating end laps).

### EUROZIP AND THE ENVIROMENT

Given the nature of the system, sheeting can easily be un-installed as they are installed by mere means of unzipping. This allows for easy replacement of damaged sheets or to be reused (or recycled) for use on other buildings. As with most built-up roofing systems, suitable thermal insulation requirements can easily ba catered for hence reducing air conditioning needs.

### STRUCTURAL PROFILE

EUROZIP 65 are structural profiles in nature. Please refer to the span/UDL imposed load tables found below information for the Eurozip 65/400 model.

### ACOUSTICS

Used in combination with EP's 1000/35, 900/19 or MS 900/20 profile abnd variety of available insulation and built-ups. a suitable system can be designed to suit various acoustic requirements.



Aluminium		Thickness: 0.90mm		
Loads kN/m <sup>2</sup>	Deflection / Spans			
	L/100	L/150	L/200	
0.50	3.87	3.38	3.07	
0.75	3.38	2.95	2.68	
1.00	3.07	2.68	2.44	
1.25	2.85	2.49	2.26	
1.50	2.68	2.34	2.13	
1.75	2.55	2.23	2.02	
2.00	2.44	2.13	1.93	
2.25	2.34	2.05	1.86	

Steel		Thickness: 0.70mm		
Loads kN/m <sup>2</sup>	Deflection / Spans			
	L/100	L/150	L/200	
0.50	5.08	4.44	4.03	
0.75	4.44	3.88	3.52	
1.00	4.03	3.52	3.20	
1.25	3.74	3.27	2.97	
1.50	3.52	3.08	2.8	
1.75	3.35	2.92	2.66	
2.00	3.20	2.80	2.54	
2.25	3.08	2.69	2.44	

Aluminium		Thickness: 1.20mm		
Loads kN/m <sup>2</sup>	Deflection / Spans			
	L/100	L/150	L/200	
0.50	4.26	3.72	3.38	
0.75	3.72	3.25	2.95	
1.00	3.38	2.95	2.68	
1.25	3.14	2.74	2.49	
1.50	2.95	2.58	2.34	
1.75	2.81	2.45	2.23	
2.00	2.68	2.34	2.13	
2.25	2.58	2.25	2.05	

Steel		Thickness: 0.90mm		
Loads kN/m <sup>2</sup>	Deflection / Spans			
	L/100	L/150	L/200	
0.50	5.86	5.12	4.65	
0.75	5.12	4.47	4.06	
1.00	4.65	4.06	3.69	
1.25	4.31	3.77	3.42	
1.50	4.06	3.55	3.22	
1.75	3.86	3.37	3.06	
2.00	3.69	3.22	2.93	
2.25	3.55	3.10	2.82	

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# Yaolong Ceramic Roof Tiles

## ADVANTAGES

### 1. Ceramic tile features:

Never fade glazed: glaze ceramic tile is with upper and lower molding, elegant appearance, smooth surface smooth, uniform size, uniform density, and ceramic tile surface is created by using advanced color glazed coatings, high temperature firing in order to maintain the color.

### 2. Unique waterproof structure:

Molded hollow tile bottom portion structure makes sure that rainwater outflows more smoothly to avoid rain countercurrent. The higher part of molded tiles could stop the water flow and with the unique double waterproof structure, even used in a gradient of 10 degrees below the roof, the water will not go back.

### 3. Good insulation and high intensity:

Because of the perfect tube leak system, there is no need to install concrete. Because of the suspended state, it creates a good insulation effect. Tile could handle the weight greater than 200 kg so that construction workers could walk on them.

### 4. Convenient Construction:

Glazed ceramic tile's construction convenience is another major feature, no matter whether it is upright or laying horizontal laying. Generally, with molding made ceramic, it is not necessary to have batten on an average slope on the roof. You could cut tiles from different angles by cutting machines to adapt to different construction needs.



YL-T



YL-A



YL-B

Technical data 技术数据		Unit 单位	YL-T
Dimension	尺寸	cm.	38.5 * 31
Weight	重量	Kg.	3.5 approx
Thickness		cm.	
Weight per sq. m.	每平方米重量	Kg.	42 approx
Joist distance		mm.	
Pieces per sq. m.	每平方米片数		12 approx

Technical data 技术数据		Unit 单位	YL-A
Dimension	尺寸	cm.	42 * 32
Weight	重量	Kg.	3.1 approx
Thickness		cm.	
Weight per sq. m.	每平方米重量	Kg.	31 approx
Pieces per sq. m.			10 approx

Technical data 技术数据		Unit 单位	YL-B
Dimension	尺寸	cm.	41 * 32
Effective size	有效尺寸	cm.	
Weight	重量	Kg.	3.1 approx
Weight per sq. m.	每平方米重量	Kg.	31 approx
Joist distance		mm.	
Pieces per sq. m.	每平方米片数		10 approx

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# SCG Terracota Roof Tiles

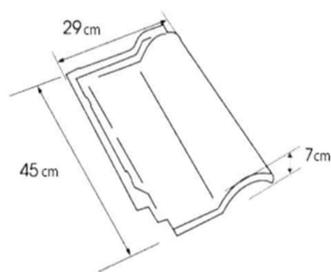
**SCG Terracotta Roof Tile** is a clay tile fired at very high temperature of 1,100 o C to make it exceptionally strong and able to support weight well. By maintaining constant high temperature over 36 hours, the color is well absorbed into the tiles resulting in long lasting color on the roof - just like the antique Chinese ceramics or the fired bricks from the ancient civilization which kept their colors over hundreds of years. On the contrary, coating materials such as paints will fade away after a few years. Moreover, you can design your own mix for Ceris to differentiate yourself or select from a variety of readily available mixed tone.

**Magnificent Natural Aesthetics and Coolness**  
From superior natural clay resources, our well selected materials contribute to quality SCG Terracoata Roof Tiles. The unique product characteristics consist of a high rolled European profile and earth tone colors. These features do not only provide functional benefits but also enhance senses of beauty to your roof. In addition, one of clay attributes is low thermal conductivity and SCG Terracota Roof Tiles is low as 0.8-0.9 W/m.K which is lower than other roofing products available in the market.

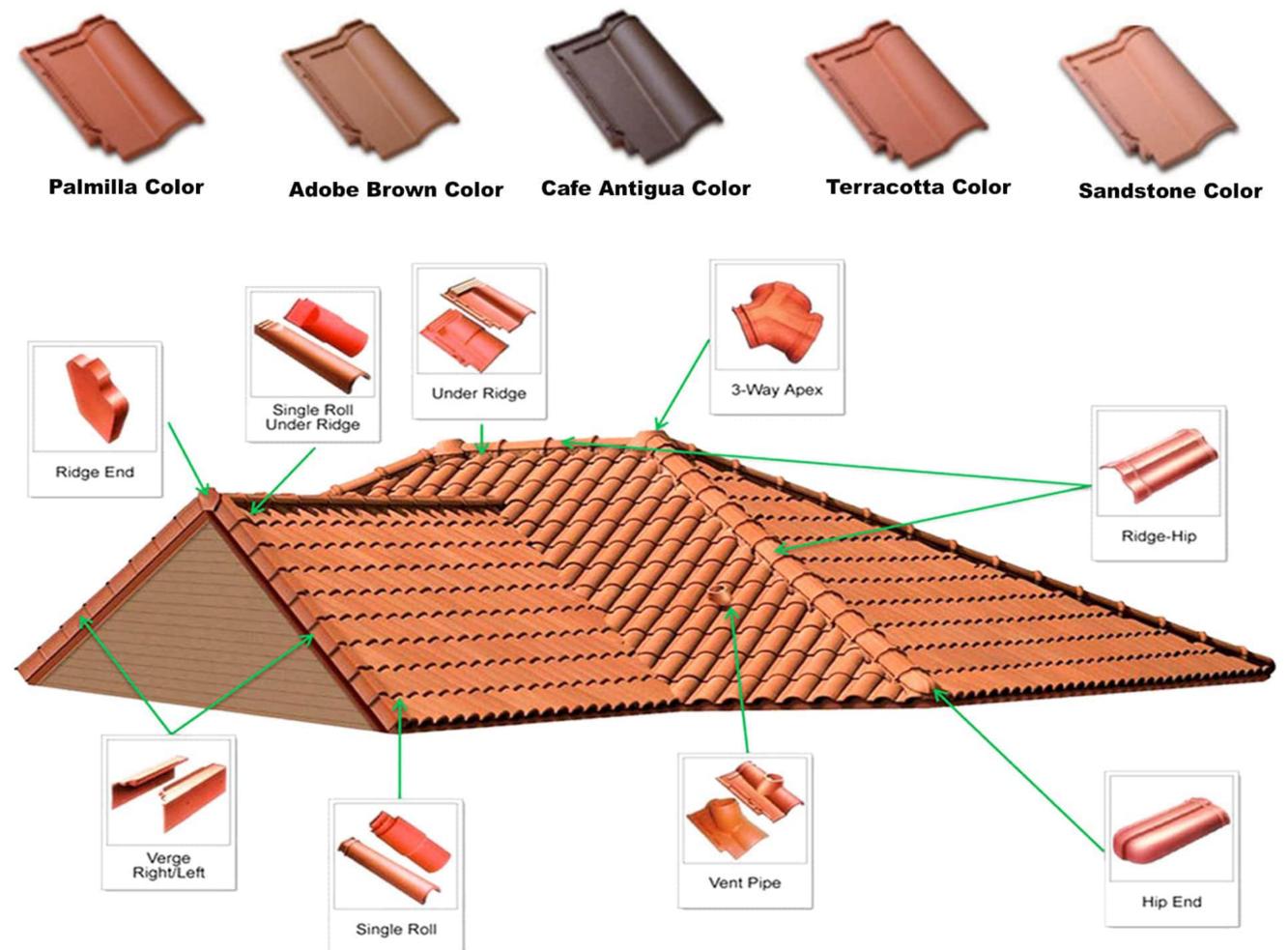
**Simple Installation and Leakage Protection**  
**H+G”Duo Tech”** is our recent production technology of SCG Terracotta Roof Tiles which includes H-Cassete and Gypsum Mold. This innovation together with standardized processes ensure tile surfaces smoothness, dimension consistency and high definition locking system contributing to fast, easy and less time consuming installation and worry-free from leakages.

**Excellent Strength and Color Durability**  
A high and consistent temperature level during firing process makes SCG Terracotta Roof Tile strong and resist to heavy load. Besides, both natural and matt finished colors will last as long as ancient ceramic pottery produced hundred years ago.

## SCG Terracotta Specification



Specification	
Dimension (cm.)	29 x 45 x 7cm
No. of pcs per m2	11 m2
Weight (kg.)	3.9kg
Roof pitch	17°-60°
Batten space (cm.)	38cm



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