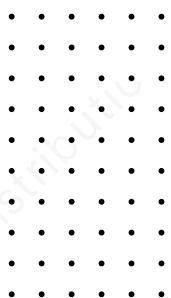
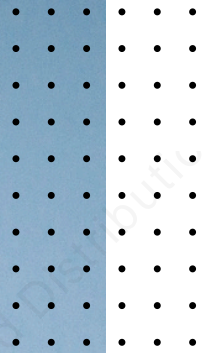




**Ecosteel
Source**



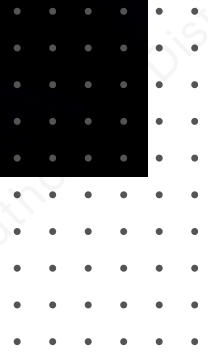
METAL STUDS & PURLINS
C/Z/U PURLINS
CATALOGUE

www.ecosteelsource.com

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WHO ARE WE

Ecosteel Source is a professional supplier of steel materials, offering Zinc-Aluminum-Magnesium (Z-A-M) coated steel, Galvalume (GL), pre-painted steel coils, and steel construction product made from that like Floor Decks, Steel Truss Floor Deck, Sandwich Panels (Hand-made & Machine-made), C/Z/U purlins, steel Studs, Tracks & Furring Channels, and Steel Accessories like Steel Strapping Seal.

With advanced processing equipment and strict quality control, we deliver durable, eco-friendly, and customized solutions for construction, industrial facilities, infrastructure, and cleanroom systems.

OUR STORY

Rooted in Nature. Committed to the Future.

Ecosteel Source was founded in Sichuan, a region known not only for its emerging industrial base, but also as the native home of the giant panda – a global symbol of ecological harmony. Inspired by this unique environment, we are deeply aware of the responsibility to balance industrial progress with environmental sustainability.

In today's fast-evolving steel industry, we believe that strength and sustainability should go hand in hand. Drawing from the panda's symbolism of balance and resilience, Ecosteel is committed to delivering steel solutions that combine durability with environmental responsibility.

Born in Sichuan – a place of strength and serenity – we carry the spirit of the giant panda into everything we build.



OUR STORY

Inspired by the panda. Built for a greener world.

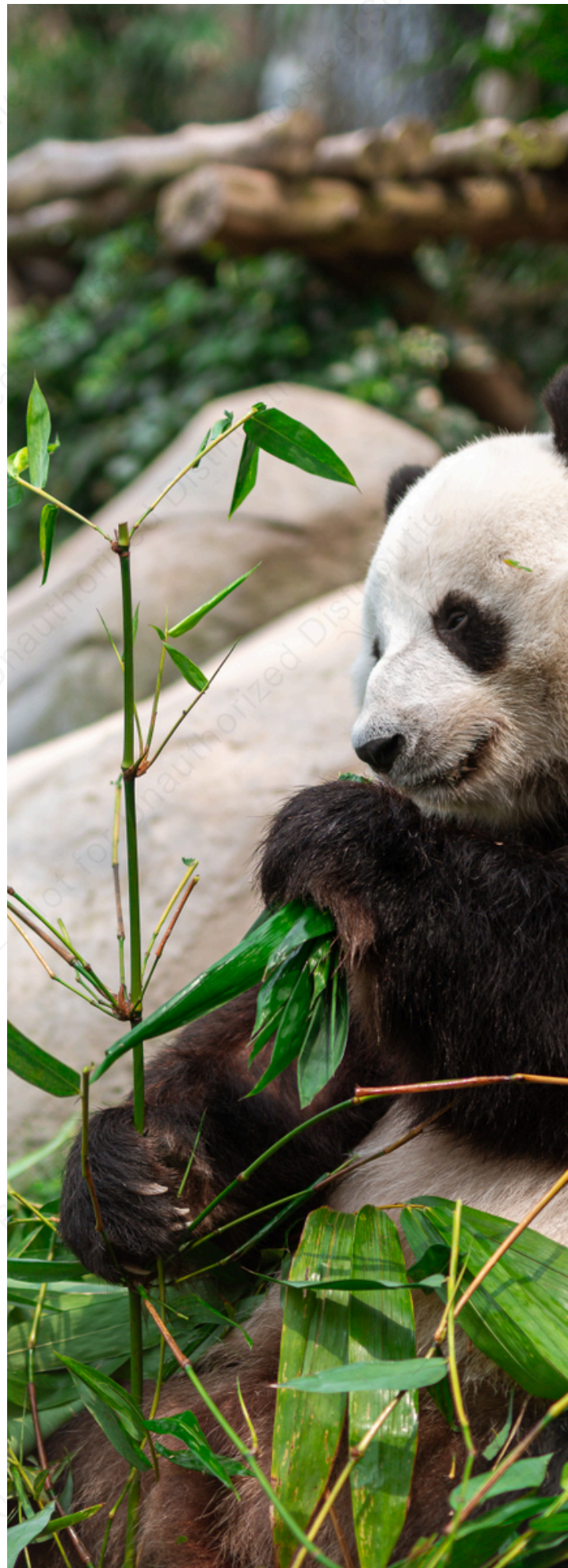
As both a materials supplier and a finished product manufacturer, we serve a wide range of industries — from industrial construction and cold chain logistics, to coastal projects and cleanroom environments. Whether it's floor decking, roofing panels, or structural components, we aim to reduce maintenance, extend service life, and minimize the carbon footprint of every building.

Our mission is to bring harmony between industry and ecology.

With every coil, panel, or beam we deliver, we take a step toward a greener construction future.

When you choose Ecosteel, you are not only choosing reliable steel products —

you are choosing a future where performance and sustainability work together.





PRODUCT OVERVIEW

- ☑ **Steel Building Materials:** Floor Deck System; Roofing & Wall Panels; **Metal Studs & Purlins**
- ☑ **Coils & Sheets:** Galvanized Steel (GI); Galvalume Steel (GL); Zinc-Aluminum-Magnesium (Z-A-M) coated steel, Pre-painted color coated steel (PPGI, PPGL)
- ☑ **Steel Accessories:** Steel Strapping Seal



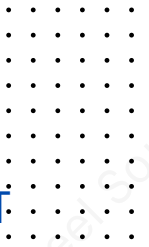
PRODUCT OVERVIEW

STEEL BUILDING MATERIALS

- Floor Deck System:** Open type floor deck; Steel Truss Deck
- Roofing & Wall Panels:** Color coated steel sheets(also called Metal Roofing Sheet or Metal Wall Cladding Panel); sandwich panels, handmade cleanroom panels
- Metal Studs & Purlins:** **C/Z/U purlins;** Steel stud, track & furring channels


PRODUCT SERIES

FROM **PREMIUM** TO **VALUE** — TAILORED FOR EVERY PROJECT




 **ES Prime Series**
Premium · Innovative · Exceptional



 **ES Standard Series: Balanced · Versatile · Durable**



 **ES Value Series: Affordable · Practical · Reliable**

HOW TO CHOOSE?

At Ecosteel Source, every series delivers the same reliable foundation—what sets them apart is the **material grade** and **performance level**.

- **Unified Standards:** All series follow the same specifications in size, thickness, and structure.
- **Tailored Performance:** Differences lie in the raw materials and durability enhancements.
- **Worry-Free Choice:** Select the series that matches your budget and project goals with full compatibility assurance.

PRODUCT SERIES

FROM **PREMIUM** TO **VALUE** — TAILORED FOR EVERY PROJECT

ES Prime - Flagship Performance

- Top-tier quality
- Advanced coatings
- Extended lifespan
- Premium applications

Typical materials: High-grade ZAM steel (Zinc-Aluminum-Magnesium), premium Galvalume (like AZ120, AZ150), High zinc coat Galvanized steel (GI) (from 150 to 900g/m²), fluorocarbon (PVDF) coated steel etc.

ES Standard - Balanced Reliability

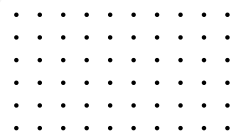
- Solid performance
- Good corrosion resistance
- Cost-performance balance
- Versatile use

Typical materials: Galvanized steel (GI) (Zinc 60g-120g/m²), Galvalume (GL)(less than AZ120), basic ZAM steel, HDP&SMP Pre-painted Steel etc.

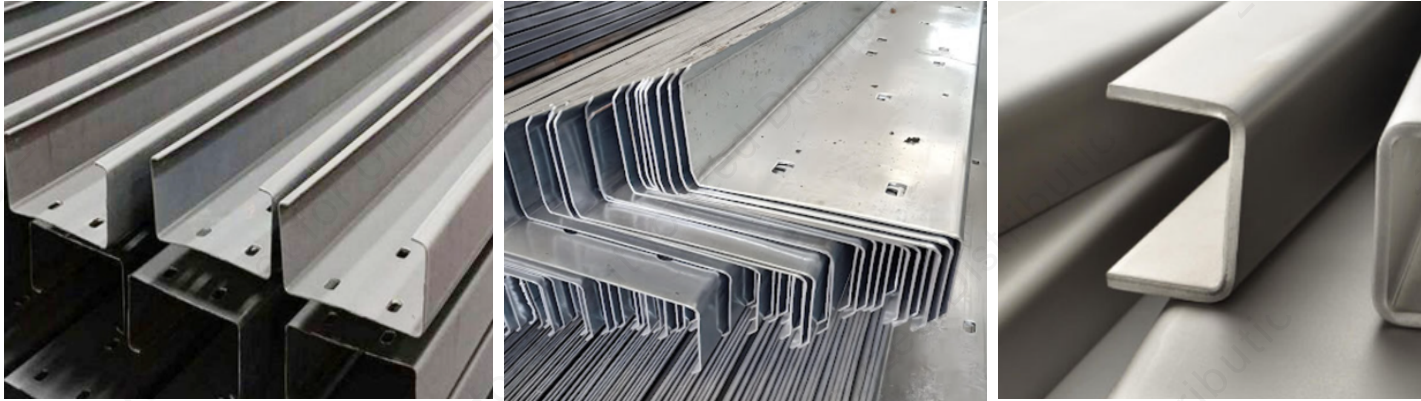
ES Value - Smart Affordability

- Economical solution
- Essential quality
- Simplified specs
- Budget-focused use

Typical materials: Basic Galvanized steel (GI) (Zinc 30g-60g/m²), economical PE Pre-painted Steel etc.



C/Z/U PURLINS



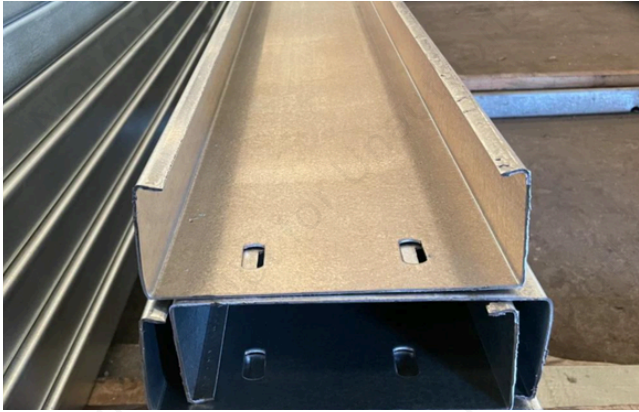
CZU Channel Steel Sections refer to a series of cold-formed thin-walled steel profiles, including C Purlins, Z Purlins, and U Purlins. They are typically manufactured from high-quality hot-dip steel such as galvanized steel, galvalume steel, or ZAM-coated steel strips through roll-forming.

These sections are lightweight yet strong, which are highly corrosion-resistant, and dimensionally accurate. Those features making them be essential structural and connection components in modern steel construction.

Main Advantages:

- 1. High strength with lightweight design:** Reduces structural weight while maintaining excellent load-bearing capacity.
- 2. Excellent corrosion resistance:** Various surface coatings available – galvanized, galvalume, or zinc-aluminum-magnesium – to suit different environmental conditions.
- 3. High installation efficiency:** Standardized sections and lengths enable fast and easy on-site assembly.
- 4. Wide application range:** Suitable for industrial plants, warehouses, photovoltaic mounting systems, cold storage facilities, and transportation infrastructure.

C PURLINS

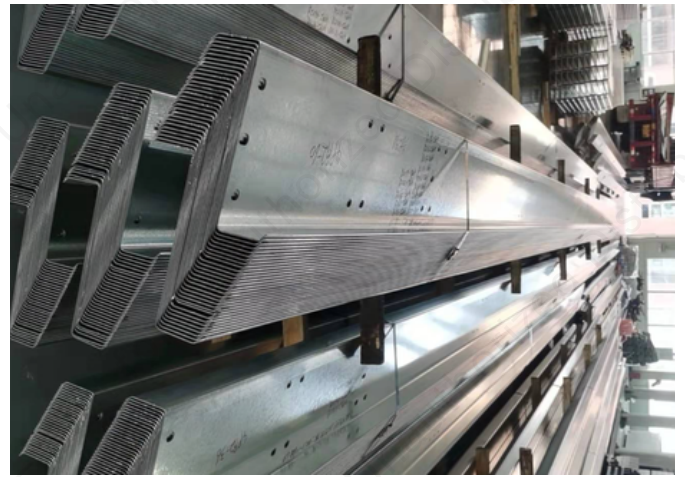


This product is "C"-shaped steel channel, which symmetrical design is easy to install. Now this product is widely used for roof and wall purlins in medium to small-span buildings, as well as in light steel frames.

Specification Examples

Section (mm)	Height H	Flange B	Thickness t	Weight (kg/m)	Typical Material
C80×40×15×2.0	80	40	2	2.42	Galvanized / ZAM / Q235
C100×50×20×2.0	100	50	2	3.05	Galvanized / ZAM / Q235
C120×50×20×2.5	120	50	2.5	3.93	Galvanized / ZAM / Q355

Z PURLINS

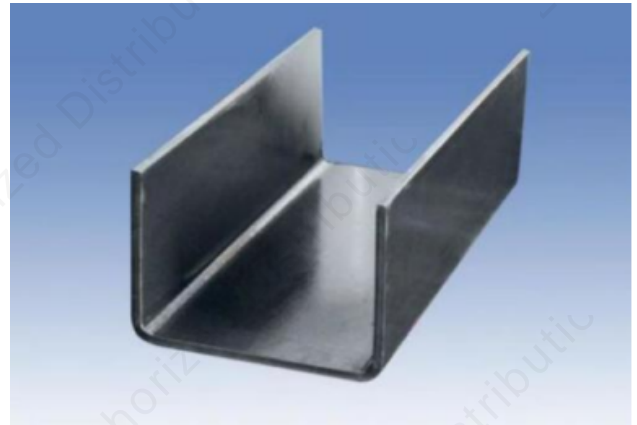
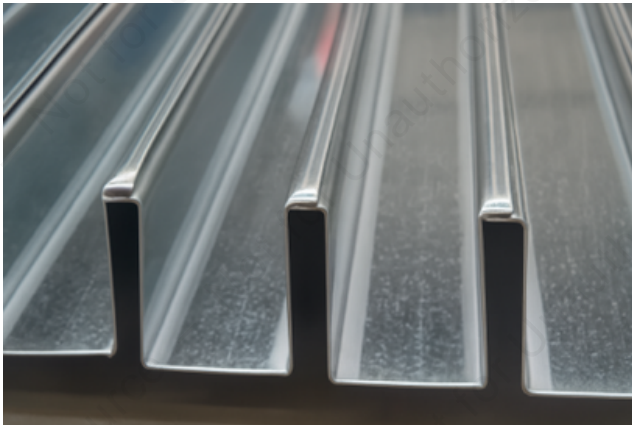


This is a "Z"-shaped cross-section channel steel with inclined flanges, which allowing overlapping joints for continuous spans. This product is ideal for large-span and high-load roof and wall systems, especially in logistics centers and airport terminals usage.

Specification Examples

Section (mm)	Height H	Flange B	Lip L	Thickness t	Weight (kg/m)	Typical Material
Z100×50×15×1.8	100	50	15	1.8	2.3	Galvanized / ZAM
Z120×50×15×2.0	120	50	15	2	2.95	Galvanized / ZAM
Z140×60×20×2.5	140	60	20	2.5	4.3	Galvanized / ZAM

U PURLINS



This "U"-shaped channel steel, which with higher, vertical flanges that offering strong integrity. This product is commonly used for frame reinforcement, like door/window frames, curtain wall studs, and equipment supports.

Specification Examples

Section (mm)	Height H	Flange B	Thickness t	Weight (kg/m)	Typical Material
U80×40×2.0	80	40	2	2.3	Galvanized / ZAM
U100×50×2.0	100	50	2	2.95	Galvanized / ZAM
U120×55×2.5	120	55	2.5	3.9	Galvanized / ZAM
U180×70×3.0	180	70	3	6.5	Galvanized / ZAM











Fully Automatic Forming Channel Steel (U-shaped Steel)
 Small Edge: 20 - 40mm
 Web Height: 20 - 150mm
 Bottom Edge: 40 - 200mm
 Plate Thickness: 1.5 - 3.0 (0.3558); 3.5mm (02358)











Fully Automatic Forming Channel Steel (U-shaped Steel)
 Web Height: 20 - 150mm
 Bottom Width: 40 - 200mm
 Plate Thickness: 1.5 - 3.5mm

EASY STEPS TO ORDER

Start Your Order Today

 Inquiry →  Quotation →  Sample → 
Contract & Payments →  Production →  Packing & Balance →  Shipment & Documents →  After-sales

-  **Inquiry** : Provide product specifications (material, size, coating, color, quantity, application).
-  **Quotation** : Get formal quotation with price, lead time, payment, and other details.
-  **Sample & Drawing** : Confirm samples or drawings for customized colors/patterns.
-  **Contract & Payments** : Sign PI/contract and pay deposit to schedule production; Special customized products require full payment in advance.
-  **Production & QC** : Manufacturing with strict quality control, third-party inspection available.
-  **Packing & Balance** : Packed to international standards, and settle balance payment.
-  **Shipment & Documents** : shipment arranged with documents, receive full set of shipping documents.
-  **After-sales** : Technical support, long-term supply and project services.

WHY CHOOSE US

Uncompromising Quality

Strict quality control and testing ensure durability, corrosion resistance, and consistency.

Tailored Solutions

Customized sizes, coatings, and finishes to meet unique project needs.

Competitive Value

Advanced manufacturing and efficient supply chain deliver cost-effective solutions.

Sustainable Commitment

Eco-friendly production and long life cycles support greener construction.

Global Support

Reliable logistics and professional support ensure timely delivery worldwide.





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