

“ It is our obligation to provide our customers with the most **convenient**, **timely** and **cost effective** solutions to all of their structural steel requirements. ”

**Ajara Steel Centre** has one of the largest and broadest selections of structural steel products in Zimbabwe. We are your best source for angles, flats, channels, beams, pipe, tubing, sheet, plate and expanded metal.

Whether you need carbon steel, stainless steel or aluminum, Steel Supply, ASC. is your complete metal service center and one-stop shopping source.

***Need it right now? Will you call your order at either of our convenient locations in Zimbabwe. Want it delivered? Just let us know and we can deliver it all to you, almost always the next day.***

With over 185,000 square feet of warehouse space dedicated to steel, we can provide you with everything you need in a single, convenient shopping experience.

***Whether you are looking for wholesale steel or a single piece, we've got you covered.***

## ABOUT AJARA STEEL CENTRE

**Ajara Steel Centre** specializes in top quality steel in Zimbabwe. We seamlessly fulfill orders for structural steel in Zimbabwe for a variety of different industries.

**Ajara Steel Centre** has the best steel sheets as well as channels, tubing, angles, plates, deformed bars, flat bars and more. We are proud to be the structural steel supplier in Zimbabwe you can count on for exceptional products offered at competitive prices.

We offer a “one-stop” end-to-end solution for our customers, ranging from distribution services to downstream and value-added activities.

Equipped with strong sourcing capability from an extensive network of suppliers from countries such as **China, Zambia, South Africa**, we carry many types of steel products, of various dimensions and for a wide range of industries and applications.

We also offer customised steel solutions for diversified industries including energy, transportation,

construction, electronics and other sectors.

### The Best Quality Steel

When you choose **ASC** for all of your structural steel needs, you can be rest assured that you are receiving the best quality steel that has been processed to exacting standards.

We have the capability to cut steel to the length required as well as utilizing our welding services to provide the exact steel products you need.

### Extensive Industry Experience

Count on our extensive industry experience to provide the quality steel you are looking for. Our accurate service and top notch products are geared towards meeting your expectations. We adhere to the highest standards in the industry ensuring that our customers are always fully satisfied with what we have to offer.





## OUR FLEET

**Our Fleet** comprises of a dedicated sales team vehicles to meet all our clients site visits. We also have 30 trucks to deliver steel to our valued customers across the country.



## Delivery Trucks

We offer delivery service to our valued clients.



## PRODUCT GUIDE

“ We offer **comprehensive packages** that cater to all our customers' construction steel requirements. We cut and bend deformed bars according to specifications, providing just-in-time delivery to construction sites. ”



We also provide bar bending service schedule, steel rental services, as well as steel finishing services like galvanising, threading, cutting and drilling. With a

storage capacity of 15,000 tonnes, **ASC** is ready and able to provide for all your construction steel needs.

## OUR RANGE OF PRODUCTS



Our range of products, includes metal angles, steel beams, and other stainless steel products. We guarantee high-quality, precision and high-durability of our products. Our stainless steel is enhanced for increased corrosion resistance and profound mechanical properties.

Amongst our wide variety of products, you will find carbon steel angles commonly used in manufacturing, fabrication, and repair projects. Apart from the selection of sizes available in our location, we also offer a customized size as per the client's requirements.

When it comes to steel beams, I-beams are the most popular amongst our clients. Known for their

strength, our I-beams are ideal for commercial and residential structures, frames for trolley ways, truck beds, elevators, trailers and many more.

Our stainless steel products are the top choice where corrosion resistance is required with only little maintenance. They find applications in modern architecture as well as the food hygiene industry due to its antibacterial qualities. Stainless steel plates are available in various grades and various finishes for applications in many industries.

If you would like to see a list of our products, visit our website, or contact us directly for custom assistance and product estimate.



## Angle Iron Sizes



**CATEGORY:** Structural Steel Sections  
**INDUSTRIES:** Civils  
Construction  
Engineering

**Ajara Steel Centre** Steel branches stock a broad range of angle iron, also known as L-shaped cross-sections. These are steel bars in the shape of an angle with equal or unequal sides.

Angles are typically used as braces to reinforce structures from the outside by increasing overall stress tolerance, but may also be used in sets of two or four to form the main members of a building framework or “skeleton”.

**Ajara Steel Centre** Steel branches stock a broad range of steel bars characterised by a width of 200 mm or less and a thickness greater than 5 mm.

Square and round bar are typically used to brace light structures, while flat bar is commonly used in fabrication.

Steel Angle, sometimes called angle iron, is named for its shape. Steel Angles provide two flat surfaces that are perpendicular and provide good resistance to bending in any direction.

Steel Angles are one of the most common Structural Steel Shapes and are widely used in structures and construction. They are available both as “Equal Angles” where both legs are the same size and “Unequal Angles” where the legs are different sizes.



# Steel Flat Bar - Sizes and Specs



**CATEGORY:** Structural Steel Sections

**INDUSTRIES:** Civils

Construction

Engineering

Minig

Signage

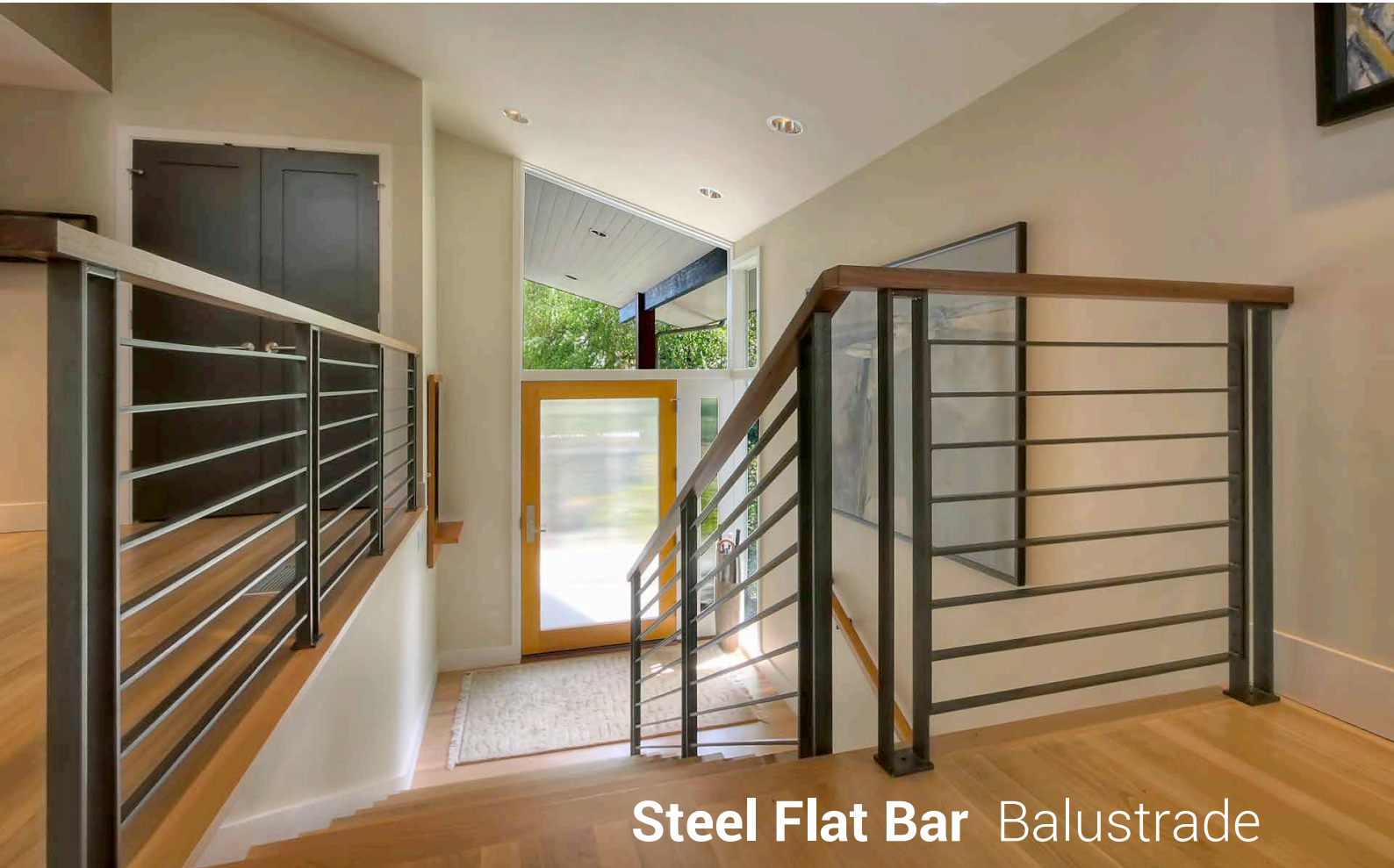
**Steel Flat Bar** is used in a wide variety of applications in the construction, engineering, manufacturing, mining, grating, fabrication and many other industries.

**Some Common Uses:**

- Industrial Tools
- Steel Framework
- Maintenance & Renovations
- Vehicle Trailers
- Industrial artwork, such as statues

Steel Flats can be manufactured by two different methods – rolling at the Steel Mill which produces Mill Flats or Sheared and Edged from steel plate. Flats that are sheared and edged have a different finish on the edge from the flat sides and are not as precisely dimensioned.

Stainless Flats are often available both as less expensive Sheared and Edged as well as higher priced Mill Flats. If there is a significant quantity needed, the stainless can be Hot Rolled Annealed, which will give it a gray finish.



## Steel Flat Bar Balustrade

*1/8" carbon steel flats are sheared and edged, 3/16" & 1/4" carbon steel flats are routinely produced by both methods, and most others are mill flats.*

# Steel Plate



**CATEGORY:** Sheet & Plate

**INDUSTRIES:** Civils  
Construction  
Engineering  
Hardware & Building-  
Merchants  
Manufacturing  
Signage  
Truck & Trailer

**Ajara Steel Centre** branches stock a broad range of steel plate - a flat structural member with a width of 200 mm or more and a thickness of at least 4,5 mm, which is typically used to connect other structural materials or as a component of built-up structures.

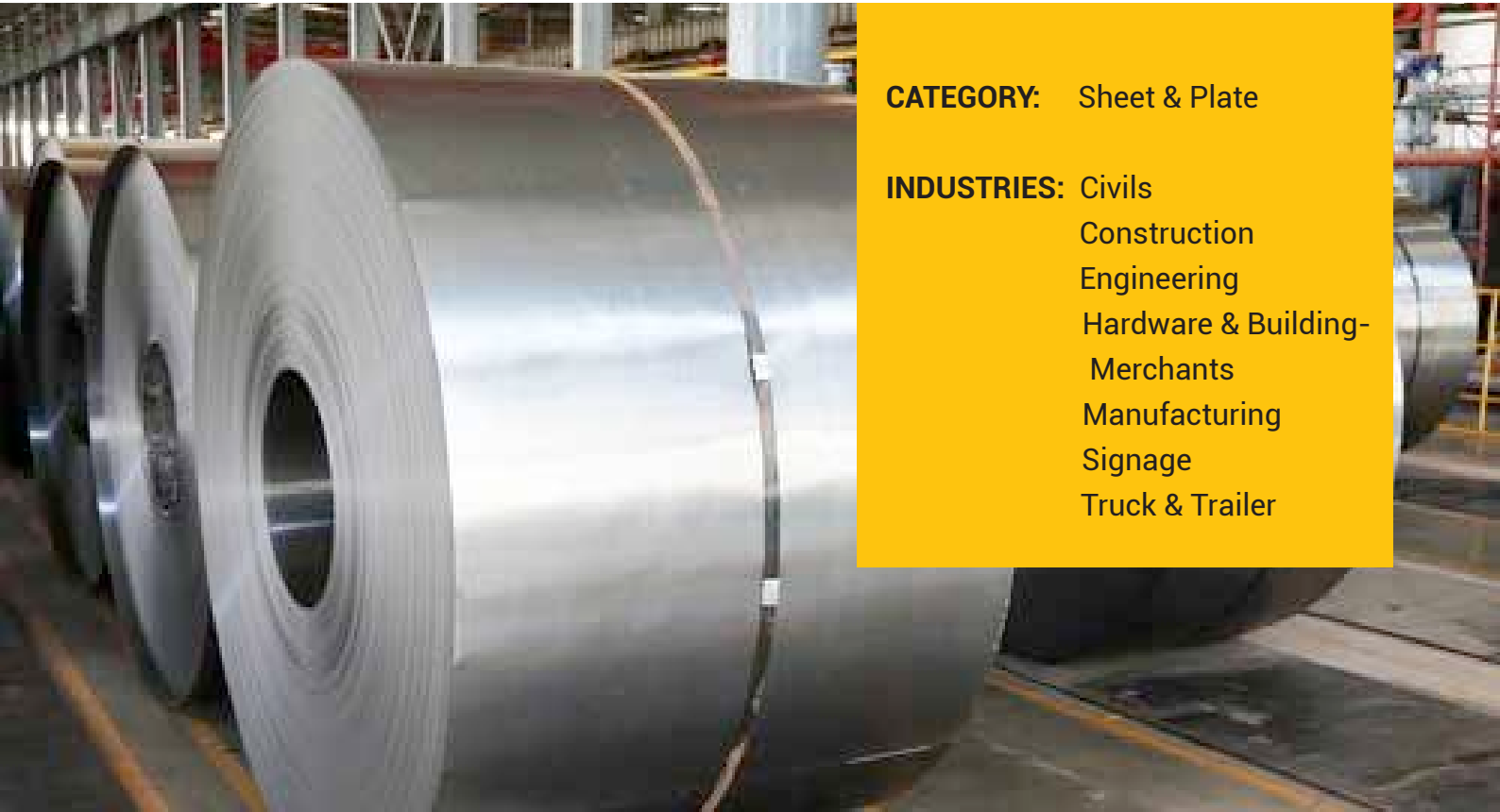
Steel plate features most prominently in the general engineering, production and construction industries, although its uses are by no means limited to such applications. Steel plate can be flame-, plasma- or laser profiled for various engineering applications.





## Steel Plate Signage

## Coil & Slit Strip



**CATEGORY:** Sheet & Plate

**INDUSTRIES:** Civils  
Construction  
Engineering  
Hardware & Building-  
Merchants  
Manufacturing  
Signage  
Truck & Trailer

Ajara Steel branches stock a broad range of cold-rolled, galvanised and hot -rolled sheet and plate which have been cut from coils. These sheets and plates can then be slit into multiple narrower

widths used to fabricate flat bar, tubing and lip channel, or cut to custom lengths to suit fabricators' and engineers' specific requirements.

## Beams



Beams are the backbone of **steel construction**. We stock a large selection of both wide flange (**h-beams**) and standard beams (**I-beams**) available for immediate pickup or delivery. If we don't have it in stock, we can get most items within a couple of days.

Most of our stock is A36 Steel Beams, but we can procure specialty steels such as A992 beams or A572-50 beams, as well as galvanized, stainless steel and aluminum beams upon request.

**Wide Flange** - Also referred to as H beams. Flanges have a constant thickness. Generally specified by the depth of the web and weight per foot.

**Standard Beam** -Also referred to as I-beams. Generally specified by the depth of the web and weight per foot.



# Steel Channel



**Steel channel** is frequently used to frame smaller structural projects, or provide intermediary support in large construction. Bar channel is often used for railing bases or to make non-structural items such as fences.

## **Standard channel**

Inside flange surfaces have approximately 16-2/3% slope. Generally specified by the width of the web and weight per foot.

## **Miscellaneous channel**

Flanges have a consistent thickness

## **Bar channel**

Generally used for non-structural purposes

Widths: 1" to 2-1/2"

Thickness: 1/8" and 3/16"

Length: 20'

Grade: A-3

## Steel Pipe



A pipe is a tubular section or hollow cylinder used mainly to carry substances which can flow, usually liquids and gases (fluids). Pipe is also often used in structural applications as a hollow pipe is far stiffer than a solid piece of the same weight.

Commonly, the words tube and pipe are usually interchangeable, but they are actually different things. Pipe is used to convey liquids while tubing is used in structural applications.

Pipe is generally divided into seamless pipe and welded pipe. Welded pipe, sometimes called ERW (Electric Resistance Welded), is made by forming a flat piece of steel into a round shape and welding the edges together. Seamless pipe is made by drawing a solid piece of steel over a mandrel to create a solid tube without a weld seam.



# Steel Tube



**Steel Pipe & Tubing** seem similar at first blush and in fact they share many characteristics but they also have some important differences.

## Definitions:

**Steel Tubing** is a hollow steel shape intended for structural purposes and made from carbon, stainless, or galvanized steel further divided as:

**Mechanical Tubing** is used in low stress applications such as fences, kitchens, restaurants, hospitals, solar panels and made with wall thicknesses up to 10 gauge.

**Structural Tubing** is for high stress structural application like bridges, buildings, roll cages, and underwater platforms with wall thickness from 3/16" and up. It is often referred to as **Hollow Structural Sections** or just the acronym **HSS**.



## Gratings & Expanded Metal



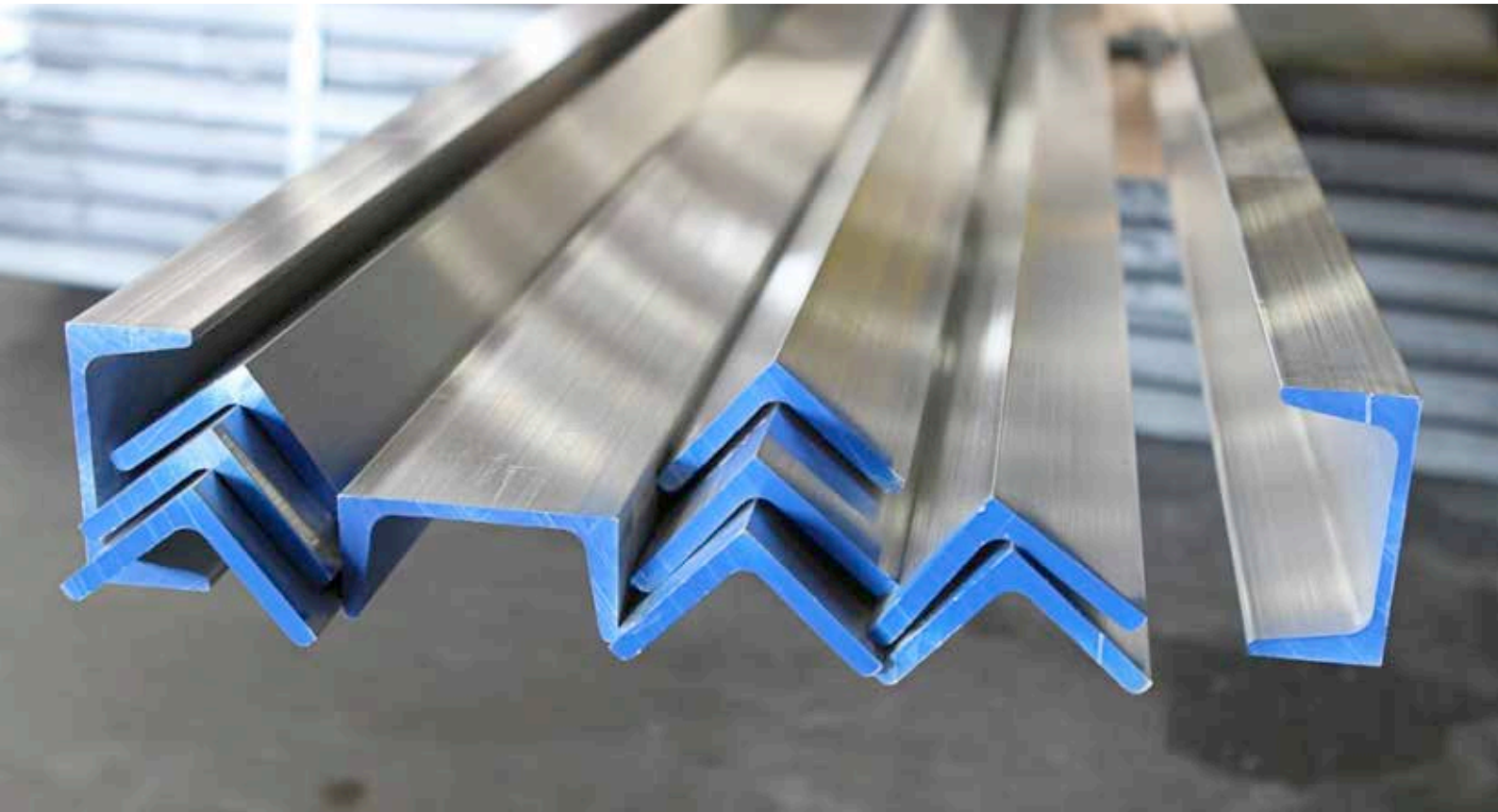
### Bar Grating

- \* Widths: 2' and 3'.
- \* Lengths: 20' and 24'.
- \* Heights: 3/4", 1", 1-1/4", 1-1/2" and 2".
- \* Thickness: 1/8", 3/16" and 1/4".
- \* Finishes: Unpainted, Galvanized, Smooth and Serrated.

### Expanded Metal

- \* Sheet sizes: 4' x 8', 4' x 10', 5' x 10' and 6' x 10'.
- \* Some patterns available in smaller pieces.
- \* Diamond pattern(s): From 1/4"-#20 up to 7.00# grating.
- \* Available in flattened or standard.
- \* Stainless and Aluminum expanded metal also available.

# Aluminum



## Structural Aluminum

We have a large selection of **Aluminum** in stock. If we don't have it, we can get it. Let us give you a quote.

## Shape

- \* Angle
- \* Bar Grating
- \* Channel
- \* Expanded Metal
- \* Flats
- \* Floor Plate
- \* Pipe
- \* Plate
- \* Mechanical Tubing
- \* Rectangular Tubing
- \* Round Bar
- \* Sheets
- \* Square Bar
- \* Square Tubing
- \* Wide Flange Beams

# Stainless Steel



## Structural Stainless Steel

We have a large selection of stainless steel in stock. If we don't have it, we can get it. Let us give you a quote.

### Shapes

- \* Angle
- \* Bar Grating
- \* Channel
- \* Expanded Metal
- \* Flats
- \* Mechanical Tubing
- \* Pipe
- \* Plate
- \* Rectangular Tubing
- \* Rounds
- \* Sheets
- \* Square Tubing
- \* Wide Flange Beams



# Reinforcing Steel Bars

Deformed Round Bar

10mm	12mm	16mm	20mm	25mm	32mm
0.617	0.888	1.580	2.470	3.850	6.310



## Wire Mesh

**Industrial mesh** is manufactured in standard sheets sizes of 1200mm x 2400mm (2.4m x 1.2m), available in galvanised wire and black high tensile cold drawn smooth wires. The decision whether to use mesh instead of loose bars is largely dependent on the shape of the precast unit.

Industrial mesh offers a wide variety of uses, covering everything from the average household to heavy industry.

**Industrial Mesh is mostly used in:**

- \* Slabs and Surface beds

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