



Pre-Engineered Steel Structures
and Building Solutions.

Bridge Girders &
Heavy Built-up Structures.

Multi-Storey Steel Structures

Specialized Shuttering and Scaffolding.

Steel doors and window frames.

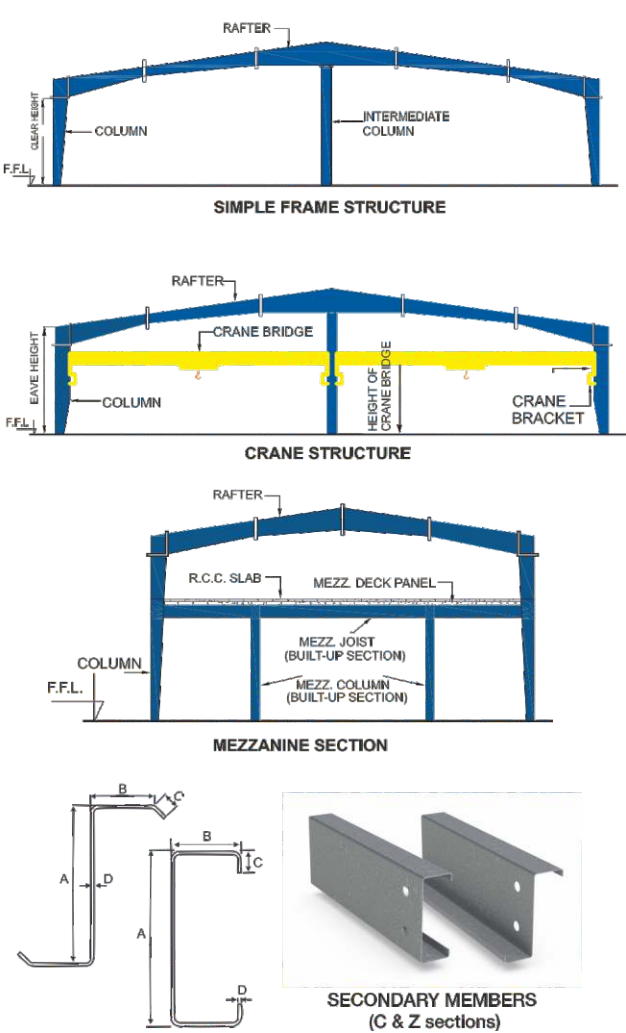
Roof & Wall Profiled Sheet & Accessories.

Pre-Cast Concrete Products.



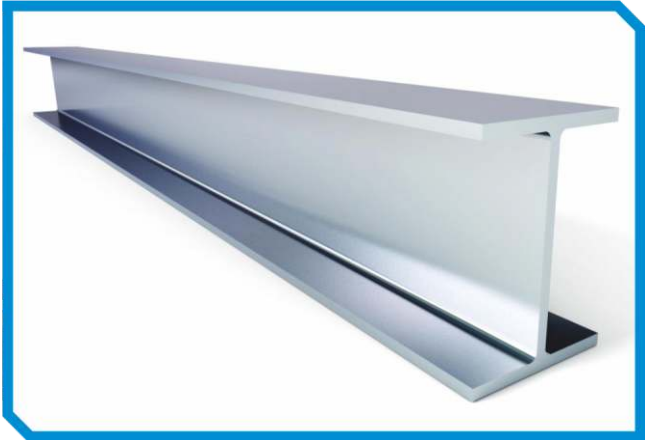
Pre Engineered Steel Structures & Infrastructure Solutions

FRAMING SYSTEM



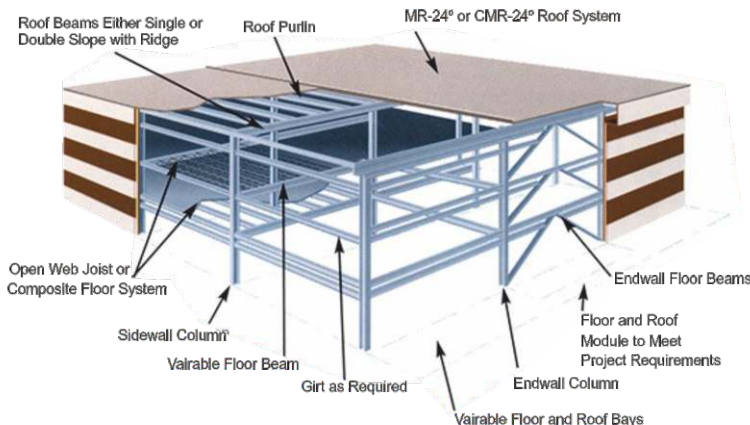
Bridge Girders & Heavy Built-Up Structures

“ Akshay Infrasy's Industries is a leading player for the production of medium and heavy MS hot rolled fabricated Girders, Beams, Columns and H - Beams in standard nominal depth, with different flange and web thickness as per the market trend and customer requirements. ”



Advantages of Multi-Storey Steel Buildings over RCC Buildings

- **High strength to weight ratio.**
- **Fast & Easy erection & installation :** The steel structures can be erected very easily and faster than many other structures. The steel structures can be used soon after their erection
- **No Sudden Failure :** Steel being a ductile material does not have sudden failure, rather it gives clear indication by deflection before failure.
- **Unlike concrete structures, the steel structure does not need any kind of formwork.**
- **Termite Proof & Rot Proof :** Unlike timber the steel doesn't get corroded by the action of termite and it is pretty much resistant to rusting, if good quality steel is used.



Preference of Steel Structure for Multi Storey Steel Building Construction

Modifiable

Structural steel buildings can be modified in the future for new applications, loading conditions, vertical expansions and changes in owner desires in ways that other framing systems can never accomplish.

Efficient.

The typical steel column occupies 75% less floor space than an equivalent concrete column. At the same time

structural steel allows longer spans that eliminate intermediate columns creating open floor areas ideal for today's office layouts.

Reliable and Predictable

Structural steel is manufactured and fabricated under controlled conditions using modern quality assurance processes. The final strength of the material is verified at the point of production, not after the material is already placed in the frame of the building. Structural steel is factory fabricated to close tolerances impossible for site cast

Multi-Storey Steel Structures

Applications of Multi-Storey Steel Structures



Warehouses

Industrial Complexes



Airport Buildings

Air Cargo Buildings

Aircraft Hangers

Railway Stations

Metro Station



School, Colleges & Hostel Building's

Office Buildings & Hospital Buildings

IT Parks, Mall & Commercial Complex



Residential Buildings

Farm House



Multi-Level Fly overs

Elevated Roads



Multi-Level Car Parking

Roof Wall Profile Sheet & Accessories

Our Sheeting Profile is a unique design profile for stronger roofing/cladding application. Its unique design makes for a watertight roofing solution with the added advantage of anti-capillary groove design that ensure leak-proof performance.

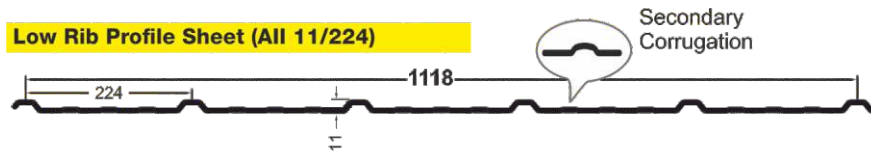
Our Roof Profile sheet covers a larger area and hence requires a smaller number of sheets. It also results in saving laying time and wider valley ensures higher water discharge during heavy rains.

Our Profile & Sheeting is having excellent corrosion resistance against severest weather condition.

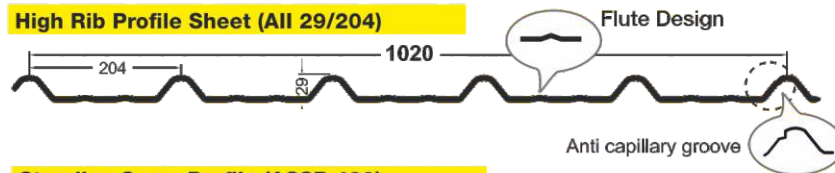
Our Robotic roll forming machine maintains precision & creates profile geometry without any nicks and sore marks.

Our State-of-the-art machinery, use of quality raw material and standardized process is what set's Akshay Sheeting apart from other roofing systems in the market

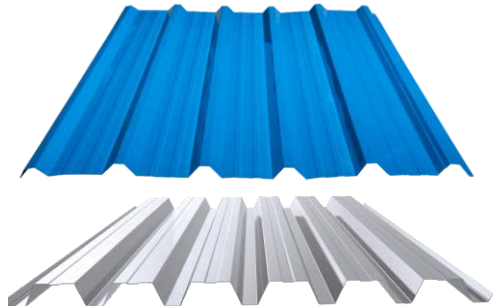
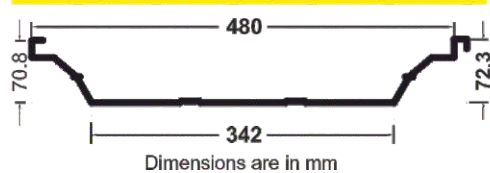
Low Rib Profile Sheet (All 11/224)



High Rib Profile Sheet (All 29/204)



Standing Seam Profile (ASSP 480)



DECKING SHEET



Ridge

Eave Gutter

End Trim



Gable End Flashing

Corner Flashing

Eave End Flashing

Specialized Shuttering & Scaffolding.

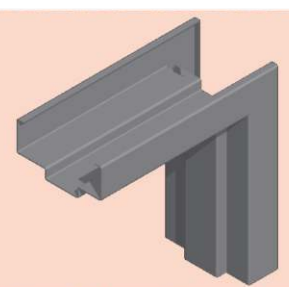


POCO
SHOT ON POCO F1

Steel doors & window frames.



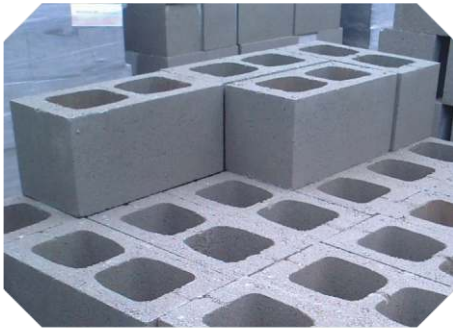
Double Door Frame



Single Door Frame



Pre-Cast Concrete Products



Hollow Rectangular Block

(400x200x200, 400x200x100)

Features

- In addition to the advantages of solid blocks, they reduce weight on the foundation thereby making the structure more economical.
- Provide good heat insulation and make buildings more energy efficient.
- Hollow portion could be used for passing the services.



Insulated Rectangular Block

(400x200x200 mm)

Features

- These blocks provide very good insulation due to presence of insulating layer and are highly energy efficient.

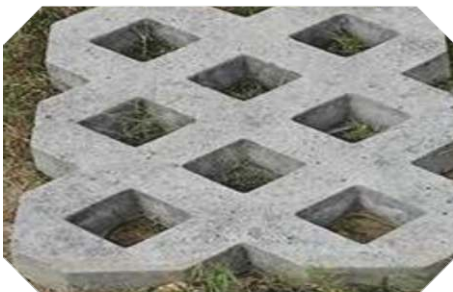


Precast Concrete Flooring

(600x600x100, 1000x650x100 mm)

Features

- Precast concrete floor panels are used for flooring in factories, warehouses, industrial sheds, etc.
- They can be used in outdoor applications also.
- The construction is very fast and they are durable



Cellular Concrete Blocks

(600x400x80 mm)

Features

- These cellular blocks are used on the slopes for earth retaining.
- Pathways in the parks
- Landscaping



Precast Concrete U/Semicircular Drain 6

(600x400 mm outer size wall thickness 80 mm)

Features

- These U drains are used along the roads, parking areas and around the open spaces in the localities.
- They are easy to place and concrete slabs may be used to cover the drains.
- They are durable as the grade of concrete used is M-30.

Pre-Cast Concrete Products

PRODUCT CATEGORY

FEATURES

- Produced in fully automatic dry cast plant
- Reduced construction time and cost
- Strength upto M-80 can be achieved
- Cleaner and safer construction sites
- Increased quality of structural elements
- German curing system is used for faster and uniform curing of products
- They are durable and have high resistance against wear.
- Increased durability and load capacity of structural
- High quality and aesthetical value of products



Interlocking Paver Blocks

(80, 100 & 120 mm)

Features

- The blocks having thicknesses 80mm to 100mm are suitable for footpaths, parking areas & light traffic.
- The blocks having M-50 grade of concrete and 100 to 120 mm thicknesses are suitable for use in heavy traffic conditions & for loaded trailer movement.
- They are durable and have high resistance against wear.



Kerb Stones

(1200x300x150, 1000x450x150, 1000x600x150, 600x300x150 mm)

Features

- Available in different sizes.
- Durable and provide smooth finish to the kerb.
- Minimum grade of concrete is M-15 & above.



Solid Rectangular Block

(400x200x200, 400x200x100, 400x200x150, 225x200x100 mm)

Features

- These blocks are used for load bearing and partition walls.
- Available in different sizes and shapes as per requirements
- Much superior to conventional brick/stone masonry.
- Provides smoother finish as compared to conventional masonry.
- Requires less plastering



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