

MAXROOF™



MXZIP

ROOF - LARGER THAN LIFE

MxZip - Standing Seam Roof



Innovative & Technologically Advanced System

MxZip is an innovative & technologically advanced concealed fixed and zipped-up standing seam system that creates a continuous weather tight roof. The side laps are zipped-up in conjunction with a unique clip system that is fixed directly to the supporting structure without penetrating the external weather sheets. This method of secret fixing creates a structurally sound roof construction that provides excellent resistance to wind uplift and completely eliminates chance of leakage. **MxZip** offers outstanding design potential, performance & durability. **MxZip** is a high performance roofing & walling system which is used in the most demanding environments & projects.

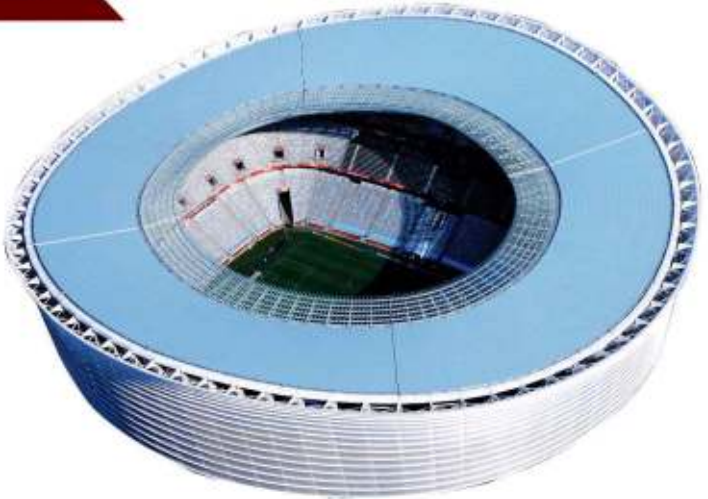


MxZip Profile Details

MxZip Standing seam system is offered in straight profile having a width ranging from 300 mm to 500 mm. The standard offering is of 400 mm wide profile.

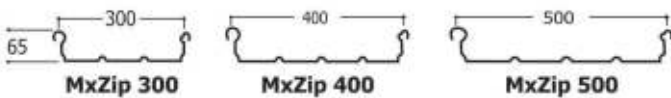
With a seam height of 65 mm, the **MxZip** profile is designed for roof pitches upwards of 1.5°. The high seam ensures excellent water drainage capability and also load bearing capability. The profile can be employed in all climate zones and for all building types.

The number and position of the mini ribs in the valley of the profile are designed to make the profile stronger and also act as a unique aesthetic feature. This **MxZip** profile is available in customized lengths and widths in straight as well as tapered profile. The **MxZip** profile can be smooth curved to convex and concave shape to achieve the building contour.



MxZip Tapered - Flexibility in Shapes:

Tapered **MxZip** profile sheets have become increasingly significant for roofing applications as they can be formed into a diverse range of shapes. A roof can offer more than just protection: it also offers a building to achieve architectural perfection. In order to achieve the perfect structure and outlook of a roof, it is necessary to take into account several fundamental considerations. The covered widths have to be between 270mm to 500 mm. (Refer technical manual for more details)



MxZip Tapered Profile Details	
Profile Types Available	MxZip 65/...
Minimum Width	270 mm
Maximum Width	500 mm
Minimum Length	1500 mm
Maximum Length	Any Length As Per Site
Thickness For Aluminium	0.8 To 1.2 mm
Thickness For Steel	0.5 To 0.8 mm



MxZip
Smooth Curved Profile



MxZip
Tapered Profile

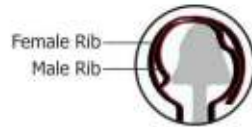


MxZip
Complex Curved Profile

MxZip - Zipping Technology



Note: After installing the Alu. Clip, lay the sheet such that the female rib is on top of male rib.



The 'Zip' technology which closes and secures the standing seam profile roof sheet, with a power operated automatic zipping machine is totally non-penetrative. **No holes means no leaks.**

Further the seam allows the roof to 'breathe' so that any moisture occurring within the roof evaporates away. That means the entire configuration of the roof remains in good conditions throughout its life.



First manual pinching, then machine zipped sheets

Long Lengths---Upto 100 mtrs and Beyond

MxZip can be manufactured onsite. **MxZip** sheets can exceed sheet length limits that cannot be delivered by road. The need for end laps and consequently the potential for water ingress through the lap joint is avoided.

For on-site rollforming, the sheets can be rollformed in following ways depending on site conditions -

1. Rollforming at ground level
2. Rollforming from Ground to eaves level
3. Rollforming at eaves level.

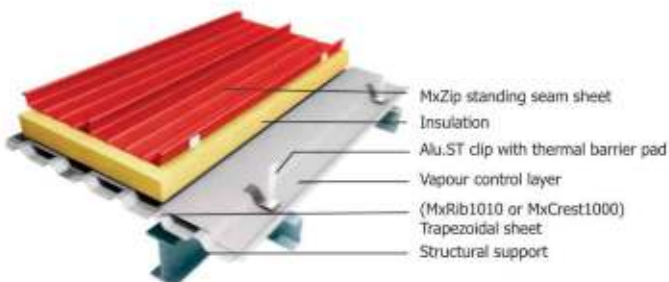
In case of point 3, the rollforming machine needs to be mounted on scaffolding or similar type platform at eaves level.

**Upto
100 mtrs
and
Beyond**



MxZip - Built up systems

MxZip with Liner Roof System



MxZip with liner roof systems are predominantly used for new building construction, although they can be used for refurbishment especially where the existing roofing systems need to be completely replaced. The **MxZip** with liner roof system is ideal where speed of installation on a project is of utmost importance. A walkable Liner (MxRib 1010 or MxCrest 1000) can be quickly installed to provide a weather cover to allow other activities to continue below. The remaining of the roofing components along with **MxZip** can then be installed without affecting the critical path of the construction program.

The profile and thickness of the **MxZip** standing seam roof sheet will be determined by the external loads and the purlin spacings.

MxZip - Technical

Acoustics:

MxZip roof constructions can be modified to accommodate various acoustic performance requirements, by incorporating other layers such as high density insulation, acoustic boards and flexible membranes to provide increased sound reduction performance and by perforating the liner to provide improved sound absorption performance.

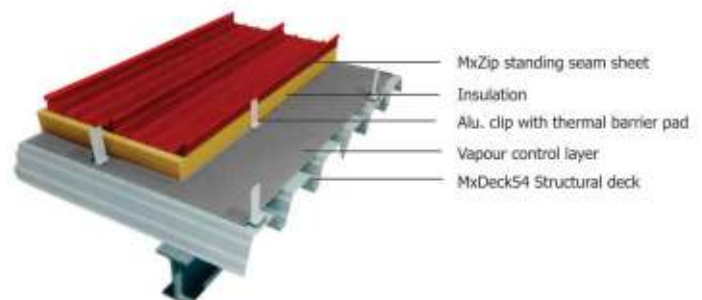
Impact Noise due to Rainfall:

In all **MxZip** roof constructions the top layer of insulation is typically a low density mineral fibre insulation which is slightly compressed to the underside of **MxZip** outer sheet that controls rain drumming.

Wind Uplift:

MxZip standing seam roofing systems provide excellent resistance to wind uplift due to its unique clip system and Zip-Up technology. The clip firmly secures the roof system to the steel work below. The strength of this joining and the fixing detail is completed by zipping the side laps together to create a secretly fixed roofing envelope with outstanding structural performance.

MxZip with Structural Deck Roof System



MxZip with deck roof system consists of a **MxZip** standing seam outer sheet, Insulation, Vapour control layer and a MxDeck54 structural decking sheet as liner profile. The **MxZip** standing seam outer sheet is engaged with Alu. clips and fixed to the MxDeck54 structural decking sheet.

The **MxZip** with deck roof system provides an economical solution for all types of Industrial, Commercial, Leisure, Retail and Residential buildings where a long-spanning rafter-to-rafter roof construction is required, which ultimately results in saving of structural steel.

The MxDeck54 structural decking sheet is laid generally transverse to the direction of the **MxZip** standing seam roof sheet and is installed direct to the main steelwork rafters.

The gauge and profile of the MxDeck54 structural decking sheet is therefore determined by the rafter centers, all external roof loads, internal wind loads, service loads and the dead weight of the construction components.

Technical Services and Support:

Using the latest CAD equipment, the **MxZip** technical team is fully equipped to meet the specification requirements of the most complex roof designs down to the finest detail.

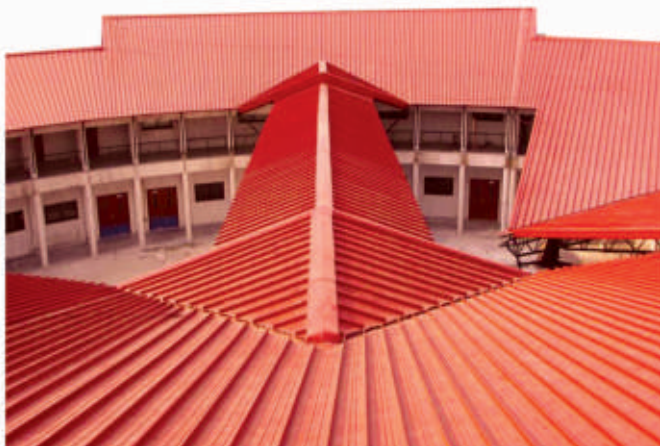
Trained staff work closely with the clients, tailoring specifications to meet individual requirements of the project - including all necessary calculations, assembly instructions and technical advice - ensuring that both specification and delivery requirements are met. We provide a comprehensive technical advisory and support service to assist architects, designers, specifiers and our approved **MxZip** installation contractors with building design, product application and site work handling, from design stage to project completion and beyond.

Proven Performance:

MxZip provides a system bearing all the hallmarks of quality and performance in line with building regulation requirements and underpinned by a manufacturing process capable of meeting the most exacting quality standards both in the factory or on site.

WHY MXZIP

- Unlimited design possibilities - complex roof shape and design is possible with MxZip
- No penetration - no leaks. Advanced Zip-Up technology
- State-of-the-art, on site production possible
- Full technical support
- Complete building envelope solution
- Complete system, with every detail, component and accessory integrated
- Low weight - requiring less structural support
- Excellent thermal and acoustic performance
- Maintenance free throughout a lifetime



Upto **100 mtrs** and Beyond



solution

service

satisfaction

success



maxroof.in



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