

MODULEX Metal Roofing System

INTRODUCTION

ALAMANI MODULEX Metal roof panel system, widest applicable and economical among all type of roofing with outstanding advantages in the market. It offers large selection of metal roofing panels, both single skin and insulated for light construction, and available in custom made lengths for interior and exterior use. It is widely used on commercial, industrial and residential buildings like warehouses, logistic centers, retail, offices, healthcare, Labour Camp etc. The system provides many benefits, including energy saving technology, long lifespan, easy installation, low maintenance cost, strong weather resistance and accepted as a green construction product.

ALAMANI is one of the pioneers of Aluminum/G.I coated roofing and cladding sheets manufacturing and supplies the entire product range including Profiled ridges, roof drainage accessories, flashings, purlings, insulation material and fasteners. Installation work is also undertaken.

PRODUCT

- ◆ Profile Thickness- 0.40 to 0.70mm
- ◆ Surface Finish- Plain and available in different designs and patterns
- ◆ Raw Material- Aluminium Alloy as per EN AW 3105 H46 series / Zinc plated galvanized steel as per ASTM A635-01
- ◆ Size - Available in standard and custom sizes up to maximum length of 12000mm and width of 1000mm

ADDITIONAL SPECIFICATION

Insulation

Polyurethane foam of 35 kg/m³ to 40 kg/m³ density and 50mm to 100mm thickness applied to the back of the panel for low thermal conductivity.

Surface treatment

The panel will be polyester stove enameled (pre-coated) to any RAL color as per architect's choice.

Alloy and temper

Aluminium alloy used in production of the profiled sheets is A3105-H16 for mill finish and H-46 for pre-painted. G.I steel materials shall confirm either ASTM A653/ASTMA653M Lock Forming Quality Or Structural Quality Grade D (subject to availability) Or Zinalume coated confirming to ASTM A792M.

Mechanical Property

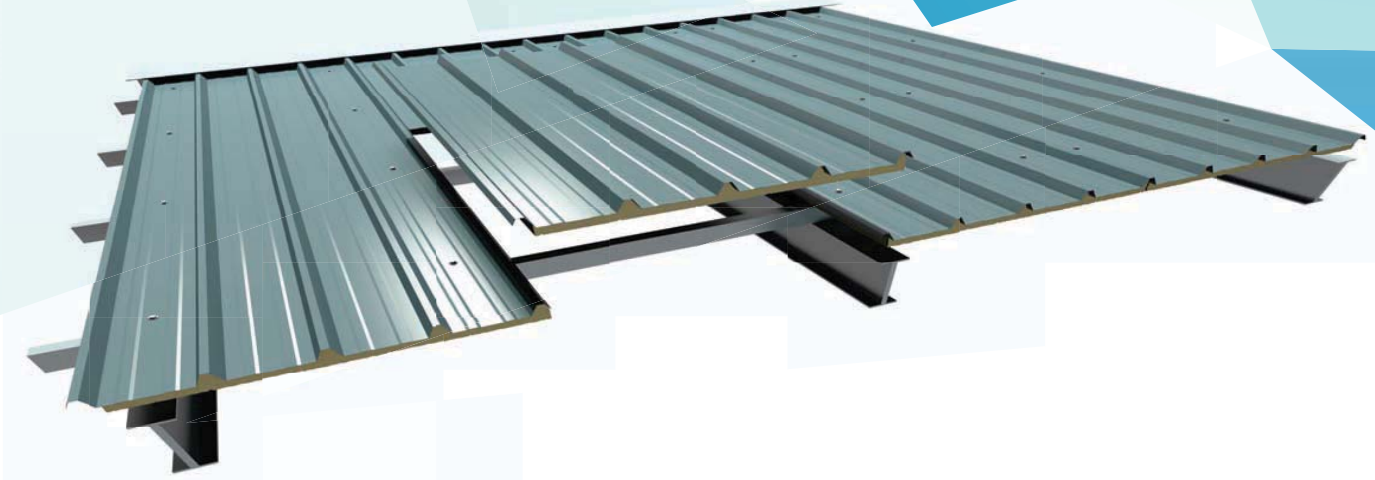
For aluminium the yield strength is minimum is 140 Mpa, module of elasticity 69000 Mpa. For G.I the ultimate tensile strength is minimum 350 N/mm², yield strength is minimum 250 N/mm² and module of elasticity is 200000 N/mm².

Access & Maintenance

Panels are easily removed for repair or replacement in case of damage.

INSTALLATION

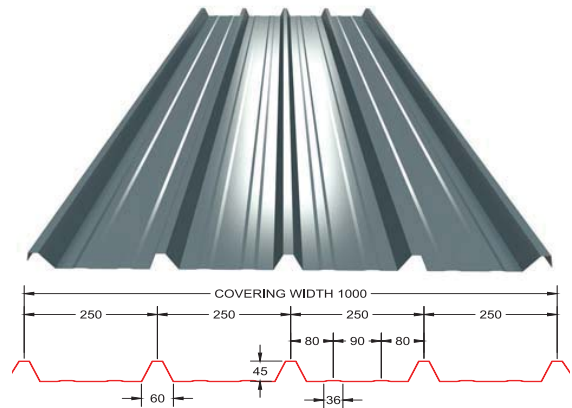
MODULEX Panels can be mounted either on the outside or on the inside of the supporting constructions whether steel or prefabricated concrete. The panels can be transported and mounted without any problem by cranes and elevators due to their light weight and even mounting by hand is possible for smaller building projects.



PRODUCT LIST

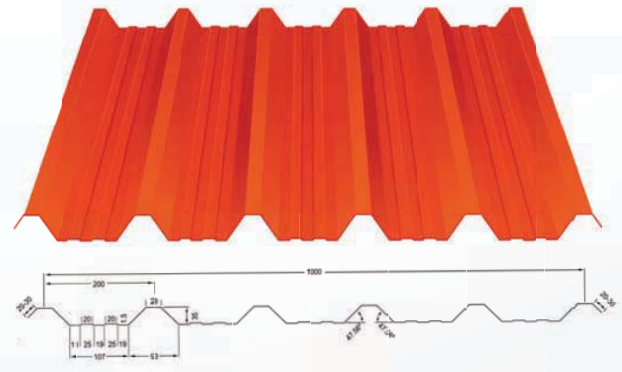
ROOFING SHEETS - STANDARD **(45/250)**

Product Code M I000RS45 – PP100I
 Width 1000mm
 Length Max. 12000mm
 Sheet Thickness 0.40 – 0.70mm



ROOFING SHEETS - STANDARD **(35/200)**

Product Code M I000RS35 - S-PP100I
 Width 1000mm
 Length Max. 12000mm
 Sheet Thickness 0.40 – 0.70mm



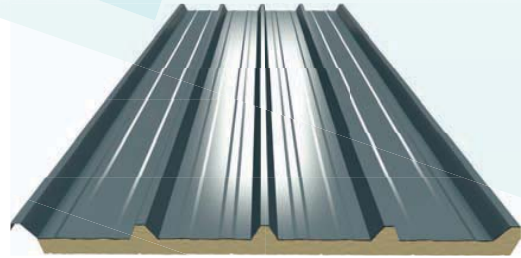
ROOFING SHEETS - TILE

Product Code M I000RS - T- PP100I
 Width 1025 mm
 Length Max. 12000 mm
 Sheet Thickness 0.40 – 0.70 mm



SANDWICH PANELS

Product Code M I000RSP- PPI001
Width 1000mm
Length Max. 12000mm
PU Thickness 50 - 100mm



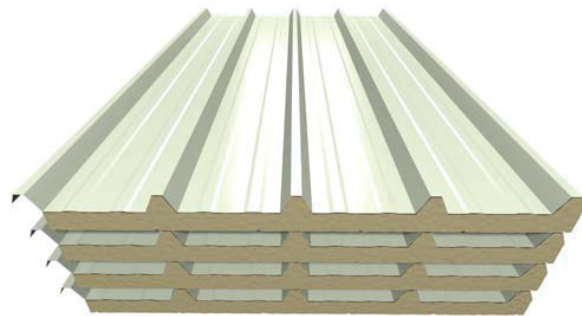
FLAT BED PANELS

Product Code M I000FP – PPI001
Width 1200mm
Length Max. 12000mm
PU Thickness 50-100mm




POLYURETHANE

Product Code M I000PL
Width 1000mm
Density 35 to 40 kg/m³
PU Thickness 50mm to 100mm



ACCESSORIES

1		Curved Eaves	4		Purlins C – Available sizes 122mm to 250mm
2		Profiled Ridges	5		Roof Drains
3		Purlins Z – Available sizes 122mm to 250mm	6		Flashing Profiles