



LMR600 Roof systems

Ultimate watertightness

LMR600

Standing seam roof mechanically fixed using unique sliding clips.

TECHNICAL SPECIFICATIONS:

- Consists of 600mm wide roll formed panels with a 50mm high corrugation
- The panel is fixed with a clip allowing linear and lateral expansion and contraction
- The flat side of the panel contains cross flutes improving the panel performance under foot traffic
- The panels are produced in 0.66mm nominal thickness Aluzinc coated high tensile strength steel

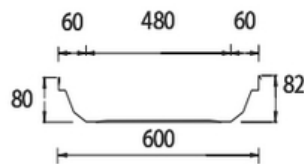
COLOURS AND COATINGS:

- Aluzinc AZA (metallic coating)

ACCESSORIES:

In order to maintain the watertightness integrity and aesthetic appearance, a full range of accessories adapted to LMR600 roof systems have been developed:

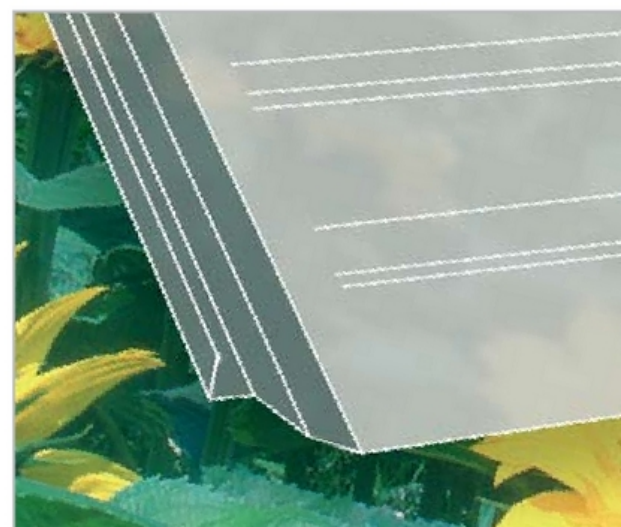
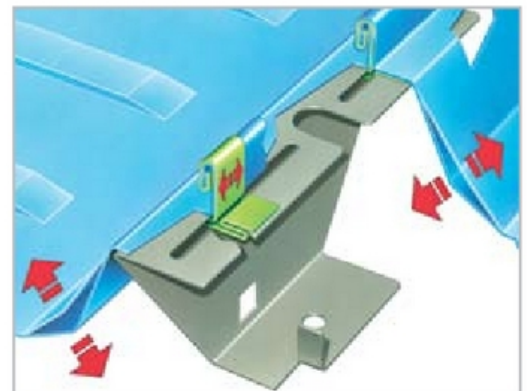
- Skylights
- Translucent panels
- Smoke vents
- Ventilators
- Polycarbonate vaults
- Roof curbs
- Monovent



NB: please refer to the official Astron colour fan for the exact colour

ADVANTAGES:

- The clip allows free expansion and contraction, thus avoiding any stress in the roof system
- Long-lasting, ultimate moisture tightness
- Side lap formed on site with a special seaming machine, crimping a 360° double-lock seam
- The panel is connected to the secondary structure with a special clip and roll formed on its top into the seam
- Once seamed the entire roof forms a monolithic metal membrane
- Thermal bridges reduced to spacing clips



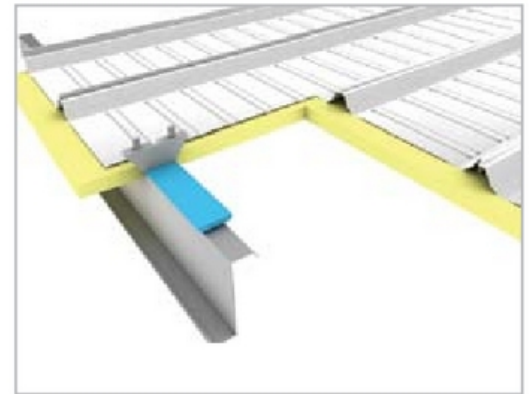
Three effective systems

SINGLE SKIN ROOF WITH OR WITHOUT ISOBLOC:

- This system is the most cost-effective
- The insulation is made of soft faced glass fiber providing good acoustical comfort
- It is available with Isobloc to increase insulation thickness for improved overall thermal performance and reduction of thermal bridges

Insulation (mm)	40	60+	80+	100+	120+
U-value $W/(m^2 \cdot K)$	1,19	0,67	0,57	0,51	0,51

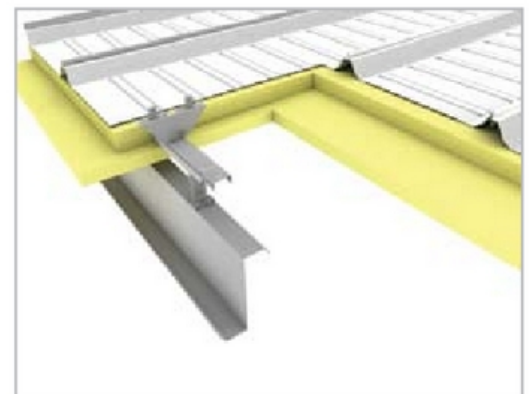
+ = with Isobloc



SINGLE SKIN ROOF WITH BRIDGE:

- This system offers superior thermal efficiency and advanced condensation control by reducing the thermal bridge to a minimum. It also prevents the insulation being compressed at the location of the secondary framing elements
- It increases insulation thickness through spacer bridge

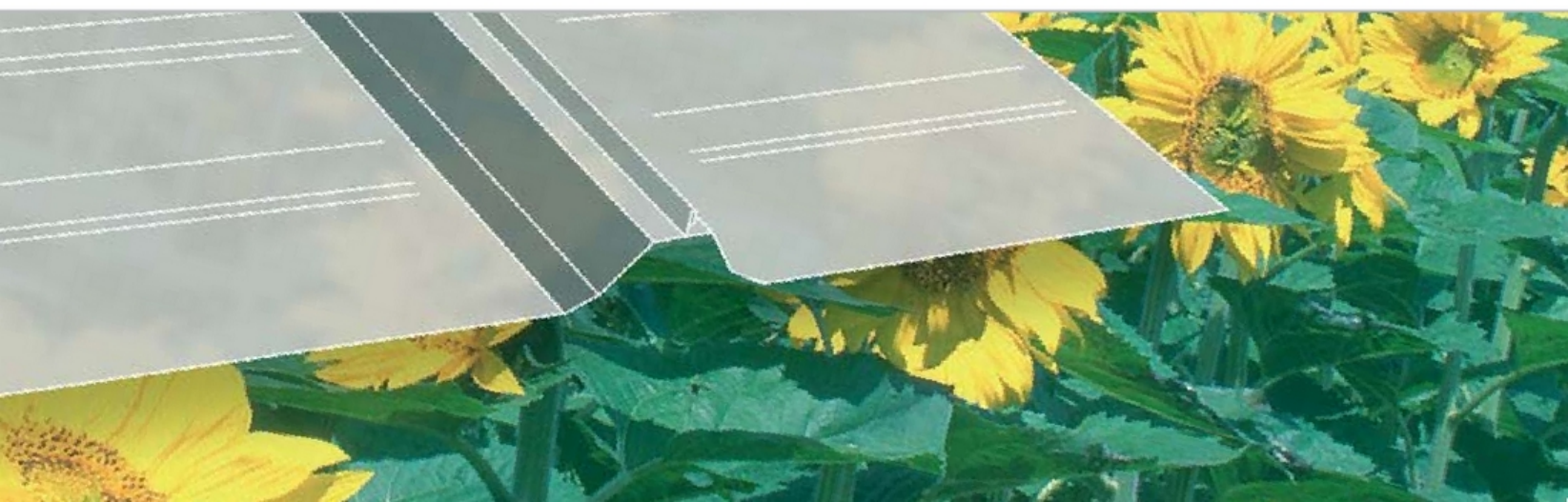
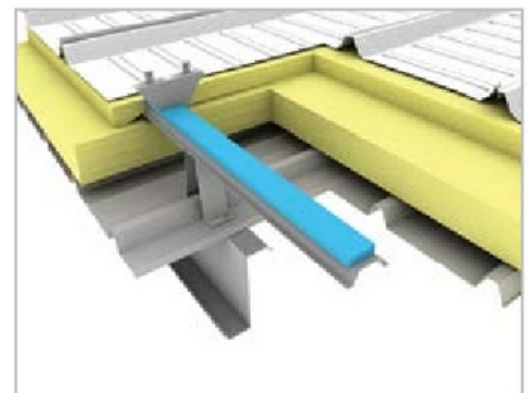
Insulation (mm)	140	160	200
U-value $W/(m^2 \cdot K)$	0,30	0,28	0,25



DOUBLE SKIN ROOF:

- It offers the best possible insulation up to 200mm
- It includes all the advantages of the bridge solution
- It has a solid and aesthetic appearance thanks to the internal panel that acts as vapour barrier, best fire rating
- Optional acoustic panel for increased noise absorption

Insulation (mm)	120	140	160	200
U-value $W/(m^2 \cdot K)$	0,35	0,29	0,25	0,21



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Astron is the brand name of the products sold by the Building Systems Business area of the Lindab group, Europe's largest manufacturer of steel building systems for industrial, office and commercial use.

Lindab-Astron produce up to 1,000 buildings a year, distributed either through a network of 400 certified independent Builders, spanning nearly 40 countries or through our Key Accounts Unit. Our headquarters is located in Diekirch (Luxembourg). Lindab's concept is clear and simple:

We simplify construction

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