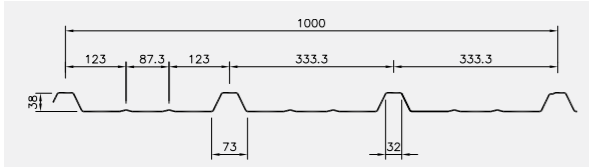




Technical specifications and accessories

Technical specifications:

- Long span ribbed panel: coverage width 1000 mm
- 0,50 mm core thickness, high tensile strength steel – S550
- Fixed to the structure with self drilling stainless steel screws








In order to maintain the weather tightness integrity and aesthetic appearance, a full range of accessories adapted to LPR1000 roof systems have been developed:

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



The LPR1000 also offers different coatings satisfying the various climatic requirements

- Aluzinc AZA (metallic coating) 
- Superpolyester 25μ, colour 01 
- Superpolyester 35μ, colour 01  12  18 

N.B : please refer to the official ASTRON colour fan for the exact colour

ASTRON BUILDINGS S.A.
Route d'Ettelbruck
P.O. Box 152
L - 9202 DIEKIRCH
Tel: +352 80291-1
Fax: +352 803466
e-mail: info@astron.biz

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www.astron.biz



LPR1000 roof systems

Superior protection and performance

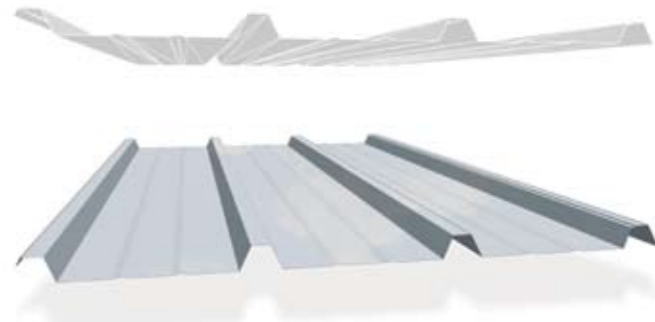
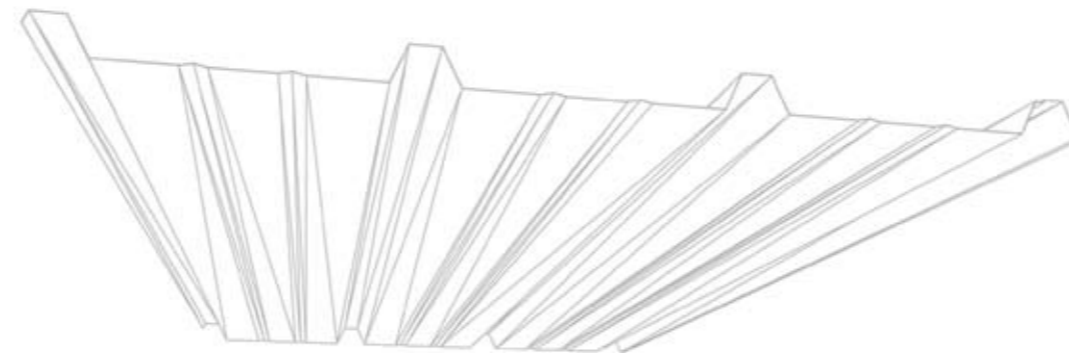




LPR1000 roof systems Long span ribbed panel

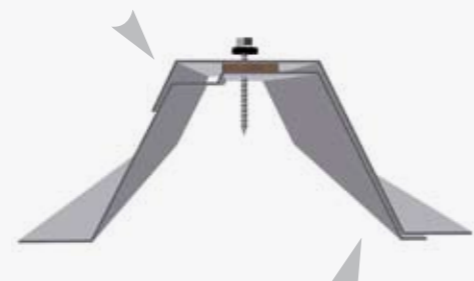
The LPR1000 roof offers several advantages:

- A cost-effective & practical solution
- An increase of safety and watertightness thanks to the strength of its fixation
- Attractive and economical
- Easy to install
- Cost-effective energy efficiency
- Long-term performance



The side lap incorporates 2 key features

Unique anti-capillary groove for superior weather tightness

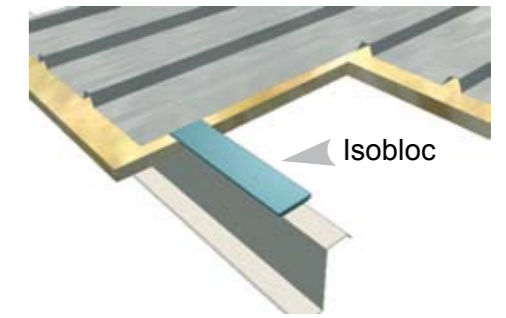


Return leg giving a very secure and solid connection

Three effective systems

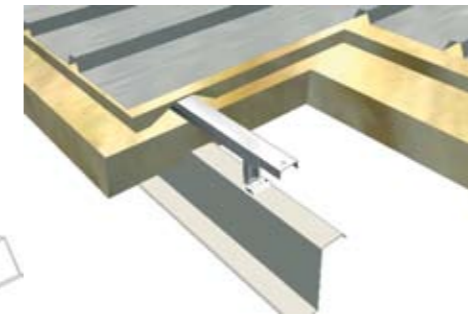
Single skin roof with and without Isobloc:

- This system is the most cost-effective
- The insulation is made of soft faced glass fiber providing a 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	80+	100+	120+
U value W/(m ² ·K)	1,26	0,94	0,81	0,60	0,49	0,42

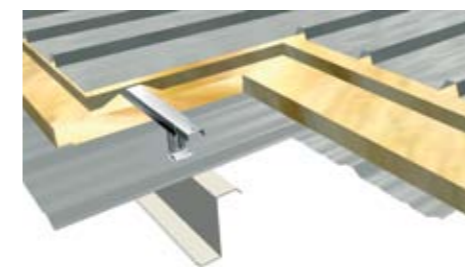
+ = with Isobloc



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)	120	140	160
U value W/(m ² ·K)	0,34	0,31	0,29



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 ·K)	0,34	0,29	0,25	0,21