MULTI 5-20

TECHNICAL DATA SHEET



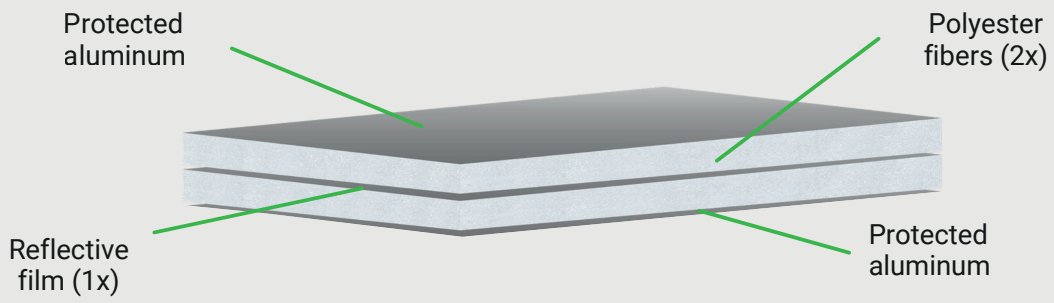
Dimensions: 15m²(1,25x12m)

Weight: 320 g/m²

Thickness **20mm** 5 layers in total

THERMAL RESISTANCE (R)

Roofs	Walls and façades	Also applicable for
R = 2,84 m².K/W	**R = 1,88 m².K/W**	**ceilings and roofs**
2 air cavities of 4 cm	2 air cavities of 2 cm	



TECHNICAL DATA

Emissivity: 0.07/0.09 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Reflectivity: 91% (UNE-EN ISO 22097:2023)
Core thermal resistance: 0,56 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Thermal resistance in roofs: 2,84 (with two air chambers of 4 cm) (UNE-EN ISO 6946:2021)
Thermal resistance in ceilings: 1,70 (with an air chamber of 4 cm) (UNE-EN ISO 6946:2021)
Thermal resistance in walls: 1,88 ((with two air chambers of 2 cm) (UNE-EN ISO 6946:2021)
Aluminum purity: 98,50%
Includes a vapor barrier
Resistant to water vapor diffusion (ETA/ETE 13-0525) (UNE-EN ISO 22097:2023)
Fire classification: Class B-s1,d0 (within a system) / Euroclass F (EN 13501-1:2002) (Exposed)
Estimated service life: 25 years

Important: Product installation must be carried out following the recommended characteristics. It is advised to seal joints and connections with metallized adhesive tape Polyfix or Alufix. We are not responsible if the expected results are not achieved due to improper installation.

COMPOSITION

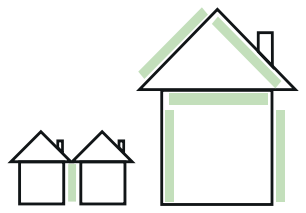
Reflective thermal insulation composed of two outer layers of protected aluminum, two inner polyester fiber layers, and a reflective aluminized PET MET film between the fiber layers.

Longitudinally heat-sealed, with no seams or intermediate welds.

APPLICATIONS

Walls and façades **(vertical installation on the interior or exterior)**.
Roofs and ceiling systems **(horizontal and/or inclined installation on the interior or exterior)**.
Partition walls and subdivisions shared with neighboring properties.
Suitable for any type of construction, whether new builds or renovations, creating airtight air chambers on both sides of the insulation.

Traditional construction, Steel Frame systems, wooden houses, modular or industrialized construction.



SOME OF ITS ADVANTAGES

- Reduces heat flow through conduction and radiation.
- Longitudinal heat-sealed product to ensure airtightness of the air chambers and prevent the entry of humidity into the fibers, avoiding the spread moisture ingress into the material's internal air chambers.
- Protected exterior aluminum to guarantee low emissivity throughout the product's lifetime and maintain insulation performance.
- Easy and quick to install and use.

20 mm (+ air chambers)	71 mm	66 mm	68 mm	75 mm
POLYREFLEX MULTI 5-20 =	Expanded Polystyrene (EPS)	Extruded Polystyrene (XPS)	Mineral Wool	Glass Fiber

Optimer System
Plata Street # 47, 28890 Loeches (Madrid). Spain Tel: (+34) 918 880 738
Phone and WhatsApp: (+34) 663 668 071 | Mail: comercial@optimersystem.com | **www.optimersystem.com**