POLYREFLEX®

# MULTI 9-50

## TECHNICAL DATA SHEET

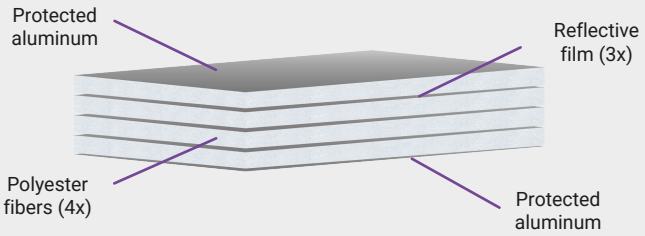



**Dimensions:**
15m² (1,25 x 12 m)

**Weight:** 480 g / m²

## THERMAL RESISTANCE (R)*

| Roofing | Walls and façades | Also applicable for |
|---|---|---|
| **R = 3,59 m².K/W** | **R = 2,63 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:** 1.31 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
**Thermal resistance of the coating:** 3.59 (with two 4 cm air chambers) (UNE-EN ISO 6946:2021)
**Thermal resistance of the complete roof:** 2.45 (with one 4 cm air chamber) (UNE-EN ISO 6946:2021)
**Thermal resistance in walls:** 2.63 (with two 2 cm air chambers) (UNE-EN ISO 6946:2021)
**Aluminum purity:** 98.5%
**Radon gas barrier**
**Water vapor diffusion resistance:** (ETA/ETE 13-0525) (UNE-EN ISO 22097:2023)
**Fire classification:** Euroclass B-s1, d0 (within a system) / Euroclass F (EN 13501-1:2002) (exposed)
**Estimated lifespan:** 25 years
**Dimensions:**15m²

**Important: Product installation must be carried out following the recommended characteristics. It is advised to seal joints and connections with metallized adhesive tape Polyfix. 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, three inner polyester fiber layers, and two reflective PET aluminum films between the fiber layers.

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

## APPLICATION

Walls and façades **(vertical installation on the interior or exterior).** Roofs and ceilings (**horizontal or inclined installation on the interior side).**

Internal partitions and divisions.
Suitable for any type of construction, whether new construction, renovation, aiming to use airtight cavities on both sides of the insulation.

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



## SOME OF THE ADVANTAGES

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

| 50 mm (+ air chambers) | 100 mm | 92 mm | 95 mm | 105 mm |
|---|---|---|---|---|
| = | | | | |
| POLYREFLEX MULTI 9-50 | Expanded Polystyrene (EPS) | Extruded Polystyrene (XPS) | Mineral Wool | Glass Fiber |

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