POLYREFLEX®

SUPER
TECHNICAL DATA SHEET



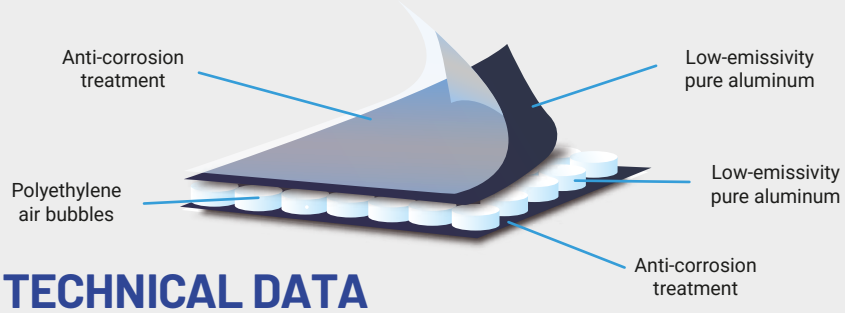
Dimensions: 18m² (1,20 x 15 m)

Weight: 252 g / m²

Thickness **4mm** 3 layers overall

THERMAL RESISTANCE (R)*

Roofs	Walls and façades	Also applicable for
R = 2,39 m².K/W	**R = 1,43 m².K/W**	**ceilings and roofs**
2 air chambers of 4 cm	2 air chambers of 2 cm	



TECHNICAL DATA

Emissivity: 0.05/0.05 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Reflectivity: 95% (UNE-EN ISO 22097:2023)
Core thermal resistance: 0,11 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Thermal resistance in roofing: 2,39 (with two 4 cm air cavities) (UNE-EN ISO 6946:2021)
Thermal resistance in false ceilings: 1,25 (with one 4 cm air cavity) (UNE-EN ISO 6946:2021)
Thermal resistance in walls: 1,43 (with two 2 cm air cavities) (UNE-EN ISO 6946:2021)
Aluminum purity: 99%
Includes a radon barrier
Water vapor diffusion resistance: (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

It is important to always install the product within air cavities to ensure its performance characteristics. It is recommended to seal joints and connections using metallized polyester sealing tape (PolyFix). We assume no responsibility if expected results are not achieved due to incorrect or unsuitable installation.

COMPOSITION

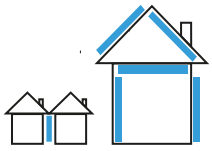
Reflective thermal insulation composed of two external layers of pure low-emissivity aluminum with a core of polyethylene air bubbles (4 mm).

Longitudinally thermobonded product without seams or intermediate welds.

APPLICATION

Suitable for roofs **(installation under roof tiles or slate),** ceilings and roofs **(horizontal installation under roof slabs),** partition walls (interior walls), and suitable for any construction type, whether new or renovation projects. Recommended for use in air chambers in both interior and exterior applications.

Building construction, Steel-Frame systems, timber structures, industrial or construction modules.



SOME OF THE ADVANTAGES

- Reduces heat transfer through radiation and conduction.
- Thermobonded product along its entire length to ensure airtightness in air chambers and prevent dust, dirt, moisture, and the proliferation of viruses, bacteria, or fungi.
- Pure aluminum protected against oxidation to ensure a long service life while maintaining low-emissivity continuity.
- Easy and quick to install and use.

4 mm (+ air chambers)	=	54 mm	50 mm	51 mm	57 mm
POLYREFLEX SUPER		Expanded Polystyrene (EPS)	Extruded Polystyrene (XPS)	Mineral Wool	Glass Fiber

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