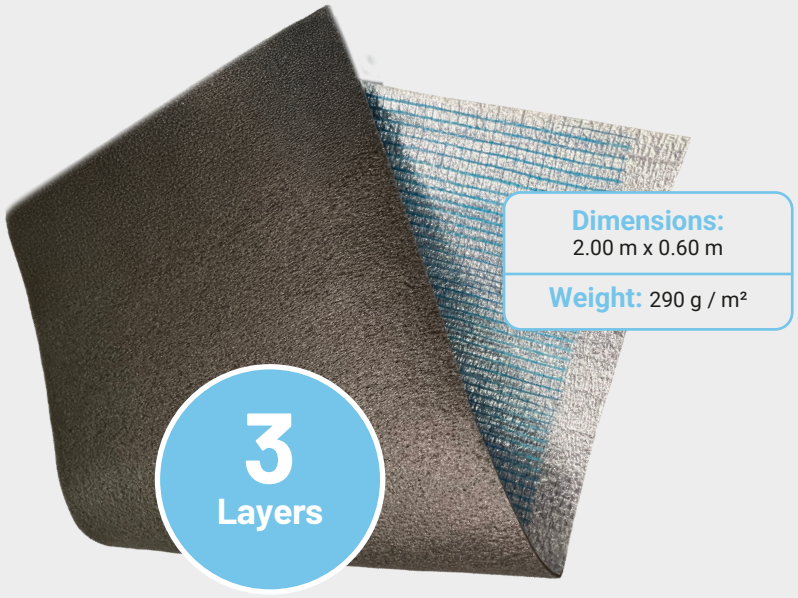
POLYREFLEX®
RPT PLUS

RPT PLUS
TECHNICAL DATA SHEET



COMPOSITION

Reflective thermal insulation composed of an external layer of polyethylene bubbles (3 mm), thermobonded to an internal low-emissivity aluminized PET sheet / aluminum, and an external layer of anthracite polyethylene foam (5 mm), bonded to an outer blue fiberglass mesh.

APPLICATION

- Slab edges.
- Pillars and structural elements.
- High-transmittance perimeter areas.
- Concrete-to-façade transitions (or concrete-façade connections).
- Structural parts susceptible to condensation.

SOME OF THE ADVANTAGES

- Reduces heat transfer through radiation and conduction.
- Prevents heat loss at thermal bridges found in slabs, columns, and façades.
- Longitudinally bonded product to ensure thermal airtightness of the construction system and prevent the entry of dust, dirt, and moisture into the building, while preventing the proliferation of viruses, bacteria, or fungi.
- Prevents the formation of cracks and fissures in plaster thanks to its fiberglass mesh.
- Does not degrade or absorb water; ideal for areas exposed to environmental humidity.
- Safe material; non-toxic and non-irritating.

TECHNICAL DATA

Emissivity: 0.12/0.12 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Reflectivity: 88% (UNE-EN ISO 22097:2023)
Core thermal resistance: 0.22 m²·K/W (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Aluminum purity: 99% (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Fiberglass mesh weight: 90 g/m2
Average fiberglass mesh thickness: 0.48 mm
Fiberglass mesh opening (mesh size): 10 x 10 mm
Tensile strength of fiberglass mesh weave: ≥ 1500 N/5 cm
Mesh coating: SBS e de cor azul
Includes a radon gas 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

Installation must be carried out with the aluminum layer facing outward from the system and the fiberglass mesh facing the side where the product will be fixed. We decline any responsibility if expected results are not achieved due to incorrect or unsuitable installation.

STRIP DIMENSIONS

Width:	Length:	Thickness:	Weight:
0.60 m	2.00 m	4,5 mm	290 g/m2

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