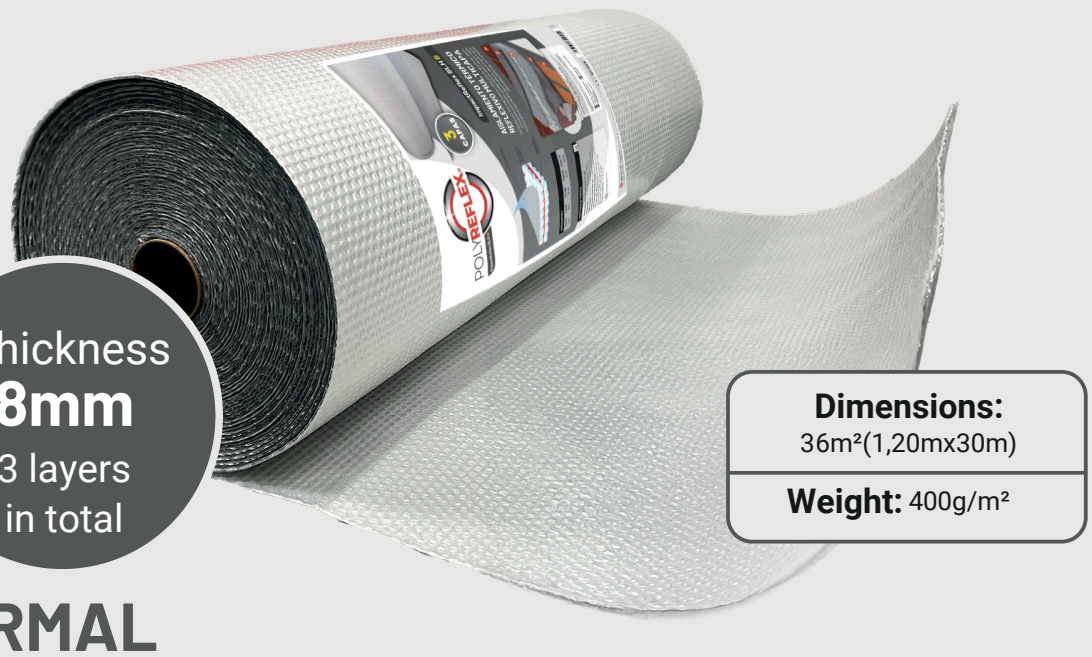
POLYREFLEX®

BLH B

TECHNICAL DATA SHEET



Thickness **8mm** 3 layers in total

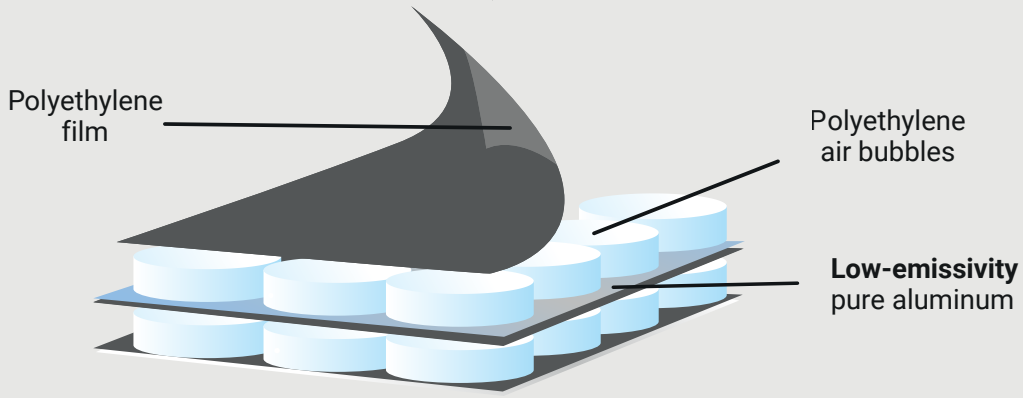
Dimensions: 36m²(1,20mx30m)

Weight: 400g/m²

THERMAL RESISTANCE (R)

Of the core:
0.20 m²·K/W (ETA/ETE 13-0525)

In slabs:
1.51 m²·K/W(*)



TECHNICAL DATA

Aluminum emissivity: 0.12 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Aluminum reflectivity: 0.88 (UNE-EN ISO 22097:2023)
Core Thermal Resistance: 0.20 m²·K/W (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Estimated thermal resistance in floor and slab systems: 1.51 m²·K/W (*)
Water 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

(*) Value obtained through theoretical estimation of thermal surface resistances in the underfloor heating layer based on the results according to UNE EN ISO 6946:2021. We disclaim responsibility if the expected results are not achieved due to improper or incorrect installation.

COMPOSITION

Multifunctional membrane that provides reflective thermal insulation, acoustic attenuation, and a barrier against radon gas for pavements and floor / slab systems. It consists of two outer layers of polyethylene bubble film (4 mm), heat-sealed to an inner low-emissivity aluminized PET foil.

APPLICATIONS

- Insulation beneath structural floor slabs.
- Thermal insulation beneath compression layers and flat roofs.
- Auxiliary acoustic barrier and impact protection layer for flooring systems.
- Auxiliary protection against radon gas (within compatible systems).

SOME OF ITS ADVANTAGES

- Reduces heat transfer through radiation and conduction.
- Thermally welded product across its entire surface and with interior aluminum to ensure airtightness and prevent dust, dirt, and moisture from entering the material's internal air chambers.
- Protected interior aluminized layer, maintaining its low-emissivity properties and acting against thermal transmission by radiation.
- Easy and quick to install and use.
- Does not absorb water or degrade.
- Safe material, non-toxic and non-irritating.

ESTIMATED THEORETICAL THERMAL RESISTANCE WHEN COMBINED WITH OTHER FLOOR INSULATION MATERIALS

BLH B + EPS 40 mm:	BLH B + Mineral Wool 40 mm:	BLH B + XPS 100 mm:
2,56 m²·K/W	2,62 m²·K/W	4,37 m²·K/W

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