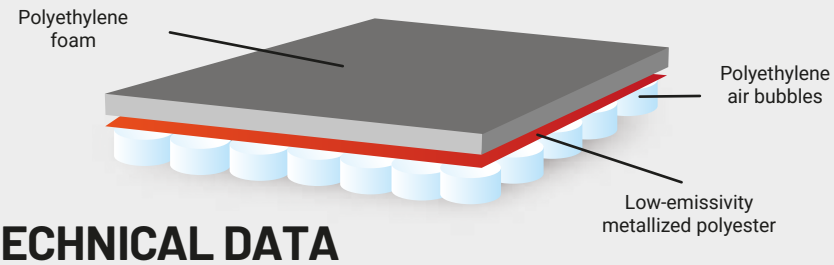
POLYREFLEX®

BLH F
TECHNICAL DATA SHEET



THERMAL RESISTANCE (R)*

Of the core:	For floors:
0.22 m²·K/W (ETA/ETE	1.38 m²·K/W (*)



TECHNICAL DATA

Emissivity: 0.12 (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Reflectivity: 0.88 (UNE-EN ISO 22097:2023)
Core thermal resistance: 0.22 m²·K/W (ETA/ETE 13-0525) (UNE-EN 16863:2024)
Compression resistance: 13,2 kPa (UNE-EN 826:2013)
Estimated thermal resistance in slabs: 1.38 m²·K/W (*)
Impact sound insulation in slabs ΔLw: 28 dB (UNE-EN ISO 10140-3:2022 y UNE-EN ISO 10140-1:2022).
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

(*) 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

Multifunction membrane that provides thermal, acoustic and radon insulation for floors. It acts as a barrier against radon gas in floors. It consists of a layer of polyethylene bubbles (3 mm), thermobonded to an internal PET sheet with low-emissivity aluminum coating and an external layer of anthracite polyethylene foam (5 mm).

APPLICATION

- Insulation in slabs.
- Insulation under radiant floors.
- Acoustic barrier in floating floor systems.
- Protection against moisture and radon (in compatible systems).

SOME OF THE ADVANTAGES

- Reduces heat transfer through radiation and conduction.
- Thermobonded product over the entire surface and with an internal aluminum film to ensure airtightness and prevent dust, dirt, and moisture from entering the system.
- Internal protected aluminum layer, maintaining its low-emissivity properties and acting against radiation transfer.
- Easy to install and use.
- Does not absorb water and does not degrade.
- Safe material; non-toxic and non-irritating.

ESTIMATED THEORETICAL THERMAL RESISTANCE WHEN COMBINED WITH OTHER FLOOR INSULATION MATERIALS

BLH F + EPS 40 mm:	BLH F + Mineral Wool 40 mm:	BLH F + XPS 100 mm:
2,43 m²·K/W	2,49 m²·K/W	4,24 m²·K/W

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