TECHNICAL DATA SHEET

POLYREFLEX® RF1

COMPOSITION

Multilayer reflective thermal insulation
consisting of 1 external sheet of 100% aluminum and 1 layer of polyethylene air bubbles.

DIMENSIONS

Width	Length	m^2/roll	Thickness	Weight/m^2
1,20 m	**15/35 m**	**18/42 m^2**	**3-4 mm**	**200 gr/m^2**

THERMAL RESISTANCE (R-VALUE)

WALL With horizontal heat flow and 1 air cavity of 2 cm	**ROOF / COVERING** With downward heat flow summer and 1 air cavity of 3 cm
R = 0,77 m^2 C / W	**R = 1,03 m^2 C / W**

LAYER DETAILS



OTHER CHARACTERISTICS

Emissivity: 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)
Roof Thermal Resistance: 1.03 (with a 3 cm air cavity) (UNE-EN ISO 6946:2021)
Wall Thermal Resistance: 0.77 (with a 2 cm air cavity) (UNE-EN ISO 6946:2021)
Aluminum Purity: 99%
Corrosion resistant
Includes Radon Barrier
Water vapor diffusion resistant (ETA/ETE 13-0525) (UNE-EN ISO 22097:2023)
Fire classification: Clase B-s1, d0 (within a system)
Euroclass F (EN 13501-1:2002) (Exposed)
Estimated useful life: 25 years

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