

## Technical data sheet



### Benefits:

- Faster application: 1.25m high, with 1.20m of yield after overlaps
- More energy efficient buildings and homes
- High insulating power in conduction, radiation and convection
- Adds sound insulation to impact noises
- Radon gas barrier
- Quick and easy to install
- Waterproof
- Does not promote the breeding of insects or rodents
- The product acts as an air chamber

### Thermal Equivalence

Glass Wool	45mm
Rock Wool Type IV	40mm
Expanded Polystyrene (EPS)	40mm
Extruded Polystyrene (XPS)	40mm
Expanded Cork	40mm

### Thermal insulation

Ref <sup>a</sup> .	Length x Width (± 2%)	Area (± 2%)	Ø (± 5%)
<b>ONE</b>	48m x 1,25m	60m <sup>2</sup>	± 48cm
<b>ONE R10</b>	8m x 1,25m	10m <sup>2</sup>	± 19cm

### Technical Data

Thickness	4mm
Thermal Conductivity	0,040 (W/m.K)
Reflection Coefficient	75 to 77%
Emissivity	23 to 25%
Resistance to Compression (50% Deformation)	5,58 ± 0,34 (N/mm <sup>2</sup> )
Tear Resistance (Aluminium Side)	177,22 ± 6,67 (N/mm)
Fire Rating (Aluminium Side)	M1
Fire Rating (Composite Product)	Euroclasse E
Thermal Resistance (R)	1,05 (M <sup>2</sup> k/w)
Water Vapour Permeability	6 ≤ 0,079x10 <sup>-3</sup> (mg / h.m.Pa)
Usage Temperature	-25° to 80° (°C)
Hazardous Substances	Does not contain
Radon Gas Barrier	Yes

### Composition

Reflective insulation composed of a protected and reinforced aluminum side, a polyethylene plastic side and an air bubble inside.

### Application Areas



- Underfloor heating
- Floors
- Pillars
- Correction of Thermal Bridges
- Isothermal packaging
- Reinforcement of existing insulation
- Additional waterproofing
- Radon gas barrier
- And much more...