

## 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	76mm
Rock Wool Type IV	67mm
Expanded Polystyrene (EPS)	64mm
Extruded Polystyrene (XPS)	62mm
Expanded Cork	71mm

### Thermal insulation

Ref <sup>a</sup> .	Length x Width (± 2%)	Area (± 2%)	Ø (± 5%)
<b>PROTECT DB</b>	32m x 1,25m	40m <sup>2</sup>	± 56cm
<b>PROTECT DB R10</b>	8m x 1,25m	10m <sup>2</sup>	± 28cm

### Technical Data

Thickness	8mm
Thermal Conductivity	0,038 (W/m.K)
Reflection Coefficient	95 to 97%
Emissivity	3 to 5%
Resistance to Compression (50% Deformation)	7,08 ± 0,59 (N/mm2)
Tear Resistance (Aluminium Side)	69,17 ± 8,60 (N/mm)
Fire Rating (Aluminium Side)	M1
Fire Rating (Composite Product)	Euroclasse E
Thermal Resistance (R)	1,77 (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 two sides of protected and reinforced aluminum and DOUBLE AIR BUBBLE inside.

### Application Areas



- Roofs and Ceilings
- Walls
- Air conditioning / Ventilation (HVAC, Ducts)
- Industrial warehouses, greenhouses, barns, cowsheds, aviaries, pigsties, stables, etc...
- Camping vehicles and caravans
- Containers and trucks
- Isothermal blinds and packaging
- Reinforcement of existing insulation
- Additional waterproofing
- Radon gas barrier
- And much more...