ATI® 150+ bubble thermal reflector

Special thermo-reflective insulation for renovation

FOR ROOFS & WALLS

THERMAL PERFORMANCE

MEASURED

- In in a dynamic guarded hot box by the Civil Engineering and Building Laboratory, ENTPE/CNRS
- Based on actual energy consumption
- Equivalent to 10 cm of conventional insulation (R eq. = 2.5 m^2.K/W)

FELT after implementation

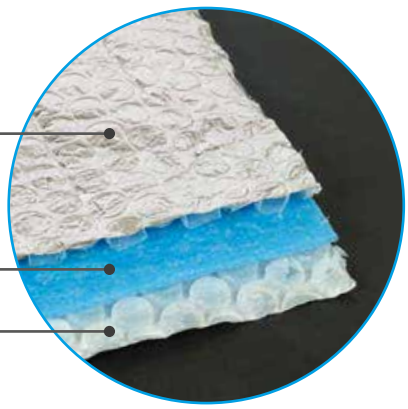
- Limited overheating **in summer** due to the reflection of solar radiation
- Heating energy savings **in winter**
- Draughts were stopped and thermal bridges were avoided
- A pleasant sensation of comfort created by the warm wall effect

WARM WINTER - COOL SUMMER · HEALTHY - NON IRRITATING - SUSTAINABLE · A+ · TEN-YEAR WARRANTY 10 YEARS · MADE IN FRANCE

EFFECTIVENESS WITH **THIN INSULATION**

- Thermal comfort in summer and winter
- Fire rated insulation
- Totally watertight and airtight
- Semi-rigid insulation
- Easy to install

It is particularly suitable for room renovations and modular or agricultural buildings.

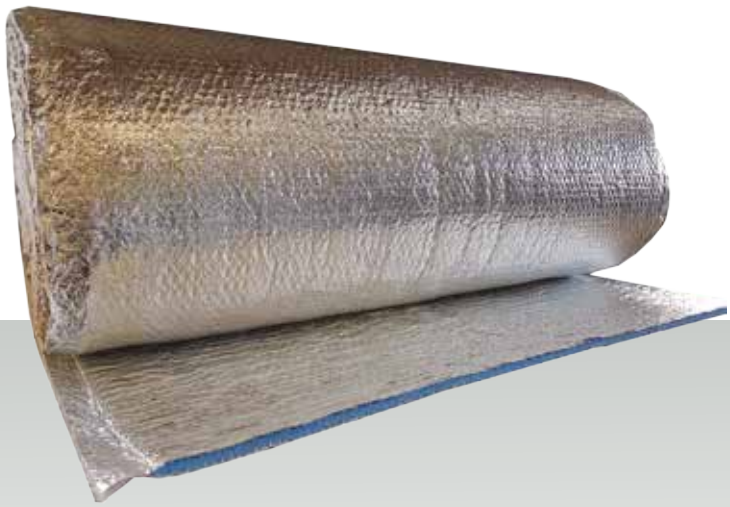


COMPOSITION

ATI 150+ is a top-of-the-range thermal isolation system.

- A reflective surface (99% aluminium) covered with a varnish that protects the surface from any oxidisation.
- The core, thermal insulation, obtained by 2 layers of polyethylene bubbles and 1 layer of foam.
- Assembled using thermal soldering.

ATI 150+
bubble thermal reflector



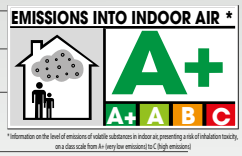
GENERAL RECOMMENDATIONS **FOR INSTALLATION**

- For optimal insulation, leave an air gap (minimum of 20 mm) on each side of the insulation
- Use clips of at least 20 mm (galvanised or stainless steel) or wide-headed nails
- Do not install close to heat sources (near a chimney duct, lights, etc.)
- When installing from the outside, respect the ventilation of the area beneath the roof (DTU series 40) and adopt the necessary precautions if there is sunshine

TECHNICAL CHARACTERISTICS

Thickness	10 mm ± 3 %
Area density	415 g/m²
Totally watertight and airtight	W1
Reaction to fire	B - s1 - d0 (EN 13501-1)
Packaging	20 m x 1,20 m = 24 m² ± 3 % - 10 kg

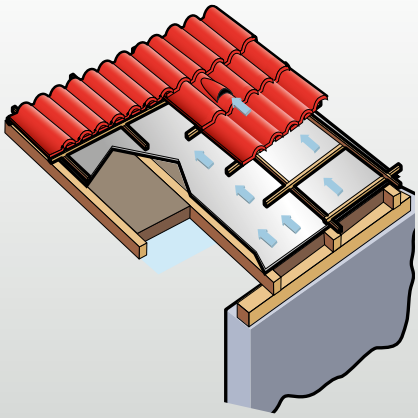
EMISSIONS INTO INDOOR AIR *



* Information on the level of emissions of volatile substances in indoor air, presenting a risk of inhalation toxicity, on a class scale from A+ (very low emissions) to C (high emissions)

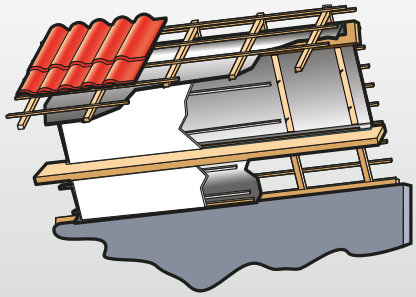
* Thickness can vary according to the compressions on the roll.

INSTALLATION **ON RAFTERS** with thick insulation between



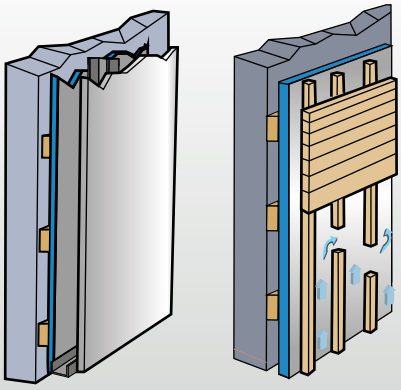
Continuous insulation of the roof, with no thermal bridge. Optimal comfort in summer.

INSTALLATION **UNDER RAFTERS**



Space gain and purlins visible to preserve volume and living space.

POSE SUR **PAROI INTÉRIEURE OU EXTÉRIEURE**



Thermal efficiency with a thin product.

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Refer to the technical dossier for installation details.
Available on request or at www.ati-isol.com