

OVER-FOIL Multistrato 19

The certified, eco-friendly reflective insulation

Over-foil Multistrato 19 is the best performing **pure aluminium** reflective insulation on the market, environmentally sustainable and certified. Thanks to its high thermal insulation performance, tested in accordance with the new UNI EN 22097 reference standard, it is the **ideal insulation for limiting thicknesses in renovations and new constructions** in combination with drywall systems. Used in walls and roofs, it makes it possible to exploit the air spaces created, thus obtaining high-performance structures with low thickness. **Over-foil Multistrato 19** consists of **19 layers** with the 2 outer faces of pure aluminium protected and reinforced with net.

+ performing

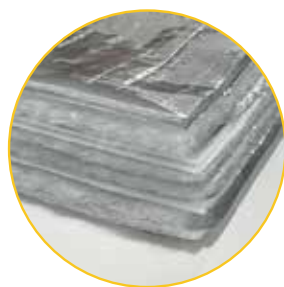
Over-foil Multistrato 19 is designed to offer **optimal thermal protection in all seasons**. Thanks to the reflective surfaces combined with air cavities, it prevents heat loss in winter and heat re-entry in summer.

+ eco-friendly

Over-foil Multistrato 19 is produced with a focus on sustainability. Being made of materials suitable for recycling and manufactured with a high percentage of recycled material reduces environmental impact. Due to the small volume of Over-foil rolls, **transport is also reduced by more than 6 times** compared to a rigid panel insulation with equivalent performances.

+ made in italy

Over-foil Multistrato 19 is produced in the new Over-all factory in Arese (Mi) and the raw materials used for its manufacture come from companies in northern Italy.



ADVANTAGES



HIGH THERMAL INSULATION VALUES

Efficient in both summer and winter and with vapour barrier function.



LOW ENVIRONMENTAL IMPACT

Almost km 0 production and high percentage of recycled material



REDUCED VOLUMES

Reduced transport volumes and optimised storage space.



QUICK AND EASY INSTALLATION

Clean, easy to work with, rot-proof and lightweight



REDUCED THICKNESSES

Larger walkable area



Masonry Wall - internal



Pitched Roof - external



Masonry Wall - external





Masonry Wall - internal



Pitched Roof - external



Masonry Wall - external



MAIN APPLICATIONS



• Masonry Wall internal



• Masonry Wall - external



• Cold floors



• Pitched Roof - external



• Pitched Roof - Internal



• Last floor

SPECIFICATION ITEM

Reflective insulation material consisting of a total of 19 layers **ver-all Over-foil Multistrato 19**. The material has 2 outer faces of pure aluminium protected and reinforced with net; the 17 inner layers are additional reflective films, wadding layers and PE foam films. The material is stitched at the edges and has a layer sealing system with plastic threads that prevents over-opening during cutting, thus ensuring uniform thickness and consequent reduction of thermal bridges. The material has a nominal thickness of 52 mm and has the following technical characteristics certified in accordance with the new UNI EN 22097 standard: **Thermal resistance** of the 'Core' material alone equal to **1.66 m²K/W**, emissivity of the outer faces equal to 0.05, and vapour diffusion coefficient μ equal to **90,000**. Fire reaction class E; Sound insulation capacity of the product alone (UNI EN ISO 10140-1/2: 2021 e 717-1: 2020) **R_w 8 dB**. The product complies with VOC Class A+ certification, attesting to the lowest level of volatile organic compound emissions and ensuring high indoor air quality.



Technical Specifications

Number of layers	19
Roll height	150 cm*
Roll length	10 m*
Roll length	15 m ²
Roll diameter	approx. 52 cm
Weight	800 g/m ²
Roll weight	approx. 12 Kg
Nominal material thickness	52 mm
Thermal resistance of “Core” material only (UNI EN 22097 - 12667)	1,66 m ² K/W
Emissivity of external faces after ageing (UNI EN 22097)	0,05
Thermal resistance in wall:	
- single layer in single cavity	2,32 m ² K/W
- single layer in double cavity	2,99 m ² K/W
- double layer in single cavity	3,98 m ² K/W
- double layer in double cavity	4,65 m ² K/W
Thermal resistance in roofing:	
- single layer in single cavity	2,11 m ² K/W
- single layer in double cavity	2,57 m ² K/W
- double layer in single cavity	3,77 m ² K/W
- double layer in double cavity	4,23 m ² K/W
Thermal resistance in false ceiling on the cold side (e.g. on pilotis (piers) floor, cellars, etc.):	
- single layer in single cavity	2,58 m ² K/W
- single layer in double cavity	3,50 m ² K/W
- double layer in single cavity	4,24 m ² K/W
- double layer in double cavity	5,27 m ² K/W
Sound insulation capacity of the product alone (UNI EN ISO 10140-1/2: 2021 e 717-1: 2020)	Rw 8 dB
Dimensional stability (length)	1,7%
Dimensional stability (width)	2,5%
Tensile strength parallel to faces	150 kPa
Vapour diffusion coefficient “μ”	90.000
Fire reaction class	E
Indoor emission (VOC)	Compliant

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In order to enter both Over-foil Multistrato 19 and the air cavities in contact with the Over-foil low-emissivity foil correctly into the calculation software, please request the technical data by sending an email to info@over-all.com.