

ONDUTISS[®]



*Underroofing protection
membranes and foils*

*Protection
of insulation
Enhanced
comfort*



Onduline[®]

Lightweight roofing systems

www.onduline.co.uk

ONE DEDICATED PARTNER FOR ALL YOUR NEEDS



SAVE TIME AND MONEY

Backed by 70 years of experience and operations in 100 countries, Onduline delivers reliable, high-quality products that are easy to install. Whatever your project, you will benefit from our wide selection of under-roofing membranes and foils, as well as our local logistic centres and sales force to help you find the perfect solution for your needs – on time and on budget.

SIMPLIFY YOUR WORK ON JOBSITES

We are fully dedicated to make your installation efficient, safe and simple:

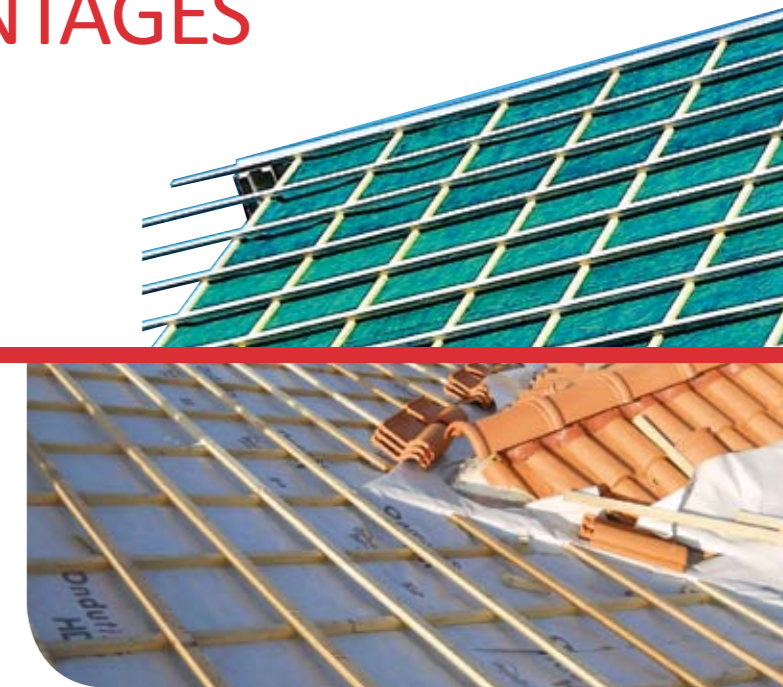
- our lightweight rolls are easy to transport and handle during installation,
- the variable product length ensures a seamless fit with any roofing or wall structure,
- high mechanical resistance means no tearing during installation,
- the overlap indicators printed on the underlays help you work quicker and more easily.

PLAY A RESPONSIBLE ROLE

In addition to the desire to take positive environmental actions, being able to create sustainable buildings is an increasingly crucial requirement. ONDUTISS® membranes and foils allow you to design energy-efficient buildings that are more comfortable and more durable, with a minimal impact on our planet.



OFFER YOUR CUSTOMERS BIGGER ADVANTAGES



A COSTLY RUN

Imagine a morning jog during winter, wearing a light jacket. Within minutes, you sweat and your clothes become damp. Naturally, your body gets colder. The same happens to a building: when the heat is on, energy escapes and condensation accumulates. The insulation becomes wet and, if not treated properly, the ceiling, painting, wallpaper, parquet and all your structure get damaged.

However, just like a jogger has an opportunity to wear thermal lining that is affordable yet effective, a building too can benefit from relatively inexpensive but valuable vapour barrier foils and vapour permeable membranes, protecting the insulation and extending its lifespan.

WHY IS INSULATION SO IMPORTANT?

Most of the building's heat escapes from the parts exposed to harsh weather conditions, like wind, temperature and rain. About 23% of heat escapes through the roof and external walls. As a result, using thermal-insulating materials is crucial!

DISCOVER THE PERFECT SOLUTION WITH ONDUTISS®

With ONDUTISS® roofing underlays, the advantages are considerable:

- Decrease of heat losses
- Improved energy savings
- Control over condensation
- Protection of insulation layer
- More effective ventilation system
- Enhanced thermal stability
- Improved lifespan of the building



ONDUTISS® AIR

HIGH VAPOUR-PERMEABLE MEMBRANES

A range of multi-layer vapour permeable and water-proof membranes, ONDUTISS® AIR provides outstanding protection of the insulation layer against moisture, wind and condensation.

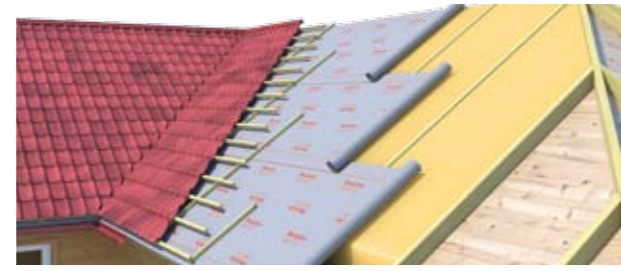


THE BENEFITS IT BRINGS...

- **High vapour permeability:** the membrane absorbs the vapour and leads it outside keeping the insulation layer dry.
- **No ventilation gap needed.**
- **Totally waterproof:** protect thermal insulation against rain or snow from outside.
- **Overlap indicators printed on the membrane for fast and easy installation.**

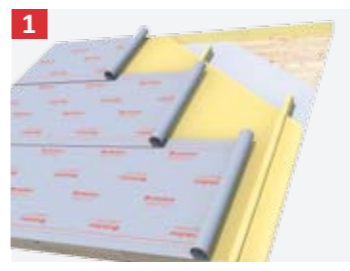
WHAT IT IS IDEAL FOR...

- Designed for warm roofs to protect the insulation layer
- Creates a perfect wind barrier for framed walls
- With the Sd value of 0.02m, ONDUTISS® AIR can be applied directly onto the insulation layer without a ventilation gap.

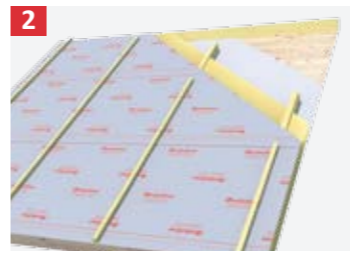


INSTALLATION STEPS

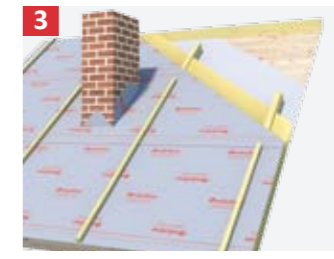
INSTALLATION ON THE ROOF



1 Roll out ONDUTISS® AIR in parallel with the gutter, starting from the bottom, always the printed side facing up. The membrane can be laid directly on the thermal insulation with slight tension. The overlap is indicated by lines or logo print. For the highest water tightness seal ONDUTISS® AIR bands with ONDUTISS® sealing tape.



2 Fix the bands directly to the rafters with a stapler. Nail counter batten on top of the membrane through to the rafters to protect the fixing area.



3 In case of any protruding element, cut ONDUTISS® AIR across the width and turn up on the protruding elements (chimneys, ventilations, windows etc.). Fix ONDUTISS® AIR with ONDUTISS® sealing tape. NB! Please, check the detailed fixing guide.

TECHNICAL DATA

PARAMETER	UNIT	AIR 95	AIR 110	AIR 135	AIR 150
Width	m	1.5	1.5	1.5	1.5
Length	m	20 & 50	20 & 50	20 & 50	50
Surface weight	g/m ²	95	110	135	150
Longitudinal tearing strength	N/5 cm	170	200	210	220
Transverse tearing strength	N/5 cm	80	95	95	100
Vapour permeability	g/m ² /24h	>1700	>1700	>1700	>1700
Sd value	m	0.02	0.02	0.02	0.02
Fire class	-	E	E	E	E
Range of working temperatures	°C	-25 to 80	-25 to 80	-25 to 80	-25 to 80
UV resistance	month	1	1	1	1

INSTALLATION ON THE WALLS IN FRAMED STRUCTURES



1 Roll out ONDUTISS® AIR parallel to the floor, starting from the bottom so that natural release of condensation would be possible. The printed side should always be face up. ONDUTISS® AIR can be laid directly on the thermal insulation. The overlap is indicated by lines or logo print. Fix the bands directly to the frame with a stapler. All the joints should be sealed with ONDUTISS® sealing tape.



2 Fix ONDUTISS® AIR bands with battens/ framing structure. Install external cladding elements (siding, facade panels, steel plates etc.). Ventilation gap between ONDUTISS® AIR and the external cladding should be at least 3 cm.

■ Established around **1950**

■ **Worldwide leader**
in lightweight roofing

■ **70** years
of industry experience

■ Around **1600** employees
from **43** nations

■ **€348** M turnover in 2012

■ **10** plants in **9** countries,
fully certified

■ Present in over **100** countries
via **42** subsidiaries

■ Over **150** million m²
of roofing solutions sold every year



The Onduline® brand was launched in France back in 1950 with the introduction of our first bituminous-corrugated roofing solution and under-roofing system.

Over the next 50 years we expanded rapidly cross Europe and, more recently, throughout South America, East Asia and North America. Today, Onduline is present in more than 100 countries worldwide and offers high-performance and award-winning roofing solutions, including roofing and over-roofing systems, roof lights, under-roofing and wall-protection systems.

We do not see ourselves as a mere manufacturer; we see ourselves as a dedicated partner that combines first-rate services with long-term vision. Our core values include simplicity, reliability and a firm commitment to quality and innovation, backed by solid investment. And our first-rate logistics service offers easily accessible stock with quick delivery times.

Whatever your project, whatever your need, you can rely on our 70 years of industrial experience and know-how to deliver the right solution!

www.onduline.co.uk

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Onduline French limited liability company with managing board and supervisory board, share capital of €11,323,485.05 - R.C.S. Nanterre 552 088 361

Onduline®
Lightweight roofing systems