



 Your comfort, our roof

Ondulit

We are an Italian company that has been designing and manufacturing roofing systems since 1953.

Technology, experience and know-how distinguish us.

Expertise and enthusiasm have always guided our team in meeting our customers' needs.

Mission

We work every day to ensure the comfort of those who live in the buildings, offering roofing solutions that provide long-lasting insulation and protection over time, maximizing the value on your investment.

Vision

We want to apply our system to as many buildings around the world as possible because we believe that a solid and durable roofing improves the quality of life and has a positive impact on the environment.

Our values



INTEGRITY

We pride ourselves in ethical and professional practices. We foster long-term partnerships and collaborations.



COMMITMENT

Our references and reviews speak to the quality of our services. We work hard to keep our standards high.



SHARING

Through teamwork, we give value to individual skills. For us, "we" is more important than "I".



SUSTAINABILITY

We are committed to fair and appropriate conduct, taking into account the economic, social and environmental impacts of our work.

Why choose us



A COMPLETE AND RELIABLE PARTNER

From design to implementation, we stand by your side with dedicated consultants and an efficient after-sales service, ensuring technical and regulatory support for every project.



WE GUARANTEE LIVING COMFORT

Our solutions enhance acoustic comfort and provide excellent thermal insulation, contributing to overall residential well-being.



VERSATILITY FOR EVERY ENVIRONMENT

Our solutions are designed to meet every need, offering high performance in the most challenging atmospheric and climatic conditions, with durability guaranteed for up to 30 years.

How we support you



DEDICATED CONSULTANT

You will be assisted throughout the entire project by our in-house consultants, from selecting the best solution to after-sales support.



DESIGN SUPPORT

Our team of technicians is at your disposal to help you define every design detail.



GLOBAL PARTNER NETWORK

Our local partners can meet your specific requirements, in any market.



INTERNATIONAL LOGISTICS MANAGEMENT

We provide a comprehensive service for handling shipments, ensuring our products reach anywhere in the world.

Ondulit Multilayer Technology

BOTTOM
ALUMINIUM LAYER

PRIMER

GALVANIZED
STEEL

THERMOPLASTIC
COMPOUND

TOP ALUMINIUM
LAYER



DURABILITY

The multilayer technology ensures high performance, particularly in industrial spaces, and offers exceptional resistance in highly corrosive environments such as marine and urban areas.



THERMAL COMFORT

In highly sunny areas and during summer, the multilayer technology, with just 2,4 mm thickness, provides thermal insulation equivalent to a 40 mm thick panel.



ACOUSTIC COMFORT

Ondulit solutions absorb the impact of rain and hail, eliminating the typical drumming noise of metal roofing.



RESISTANCE

The steel core and special multilayer construction give Ondulit solutions high mechanical strength. The roofs are highly load-resistant, making them ideal for areas prone to strong winds and hurricanes.



SUSTAINABILITY

The multilayer technology enables significant energy savings and mitigates the heat island effect. Ondulit solutions have a long lifespan and a cost-effective lifecycle.

LABORATORY TESTS

DURABILITY

Corrosion resistance in salt spray: 4000 hours (ISO 9227)

Humidity resistance: 3000 hours (EN ISO 6270-1)

Resistance to sulfur dioxide: 45 cycles (EN ISO 6988)

Accelerated aging resistance: 2000 hours (ASTM G155)

FIRE PERFORMANCE

Reaction to fire:

Class B-s1, d0 (UNI EN 13501-1; EN 13823; EN ISO 11925-2)

External fire behavior:

Class B Roof T3 (UNI EN 13501-5; UNI CEN/TS 1187)

ACOUSTIC COMFORT

Sound insulation: 28 dB (UNI EN ISO 10140-2:2010)

Rain noise sound attenuation: ISTEDIL Certificate 1302-3: Up to 8.41 times greater than a 0.7 mm aluminum sheet and up to 4.17 times greater than a sandwich panel with 40 mm insulation – 52.3 dB (UNI EN ISO 140-18)

THERMAL COMFORT

Permissible thermal range: -30 / +80°C

Solar Reflectance Index (SRI): (ASTM E1980-11)

Light Colors: > 65% - Dark Colors: > 30%

ENVIRONMENTAL SUSTAINABILITY

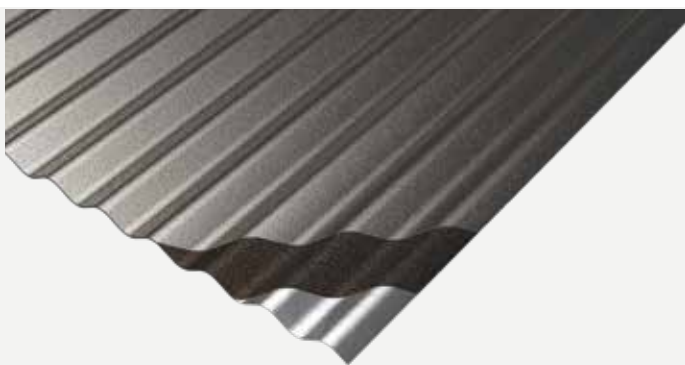
Remade in Italy certification for the absence of hazardous substances and recycled raw material content

Sheets

The multilayer sheets, an exclusive technology by Ondulit, meet various design needs. Suitable for any type of construction, they can be either flat or curved.

Available in four different profiles and various finishings, they are versatile and seamlessly integrable into any landscape and environmental context.

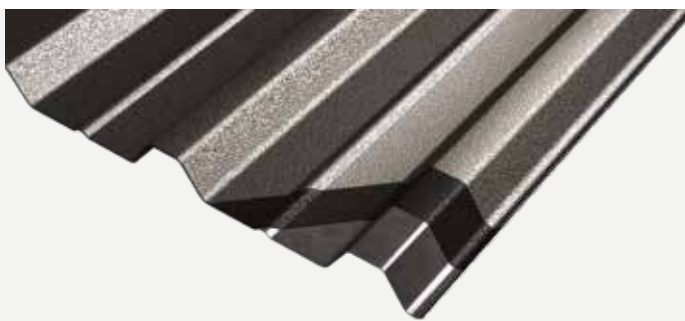
ONDULIT



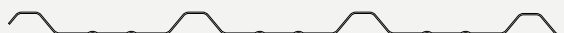
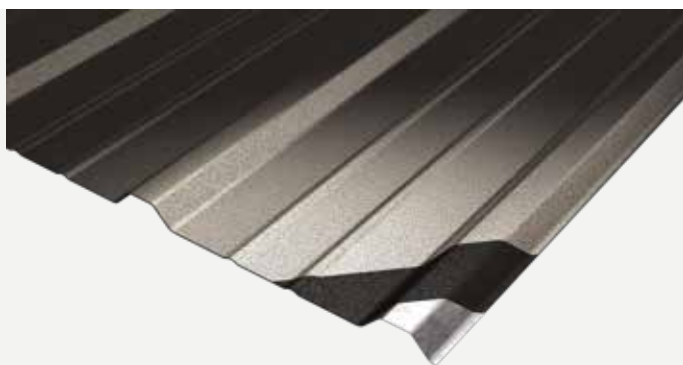
COVERTILE



COVERIB⁸⁵⁰



COVERIB¹⁰⁰⁰



Ondulit Panels

The range of Ondulit panels meets the design and construction needs for applications on discontinuous structures. Materials, technology, and section design provide long-term reliability and high thermal-acoustic performance.

The monolithic Ondulit panels consist of a multilayer-protected steel sheet on the outer side; the insulating element is made of expanded sintered polystyrene. The inner side can be made of micro-ribbed pre-painted steel sheet or hundredth-millimeter aluminum foil.

FEATURES AND ADVANTAGES



THERMAL COMFORT

Ondulit panels ensure high performance in compliance with energy containment regulations.



ACOUSTIC COMFORT

In case of rain or hail, Ondulit panels are 3.05 times less noisy than normal panels (Istedil certification n°1632/2010 A – B).



FIRE BEHAVIOR

Ondulit panels produce less smoke emission compared to traditional panels.



EAVES PROJECTION and OVERLAPPING

The eaves projection of the outer sheet protects the panel ends and the insulation from rain and humidity. This also allows for possible end-to-end overlapping of the panels along the slopes, ensuring flatness and continuity of the insulation.

Ondulit Panels

SPECIFICATIONS

COVERPIÙ^{STD}



The ventilation channels facilitate the passage of air between the insulation and the upper sheet, reducing the summer thermal load and improving internal comfort.

COVERPIÙ^{MONO/CURVABLE}



The panels, processed according to the desired curvature radius, are made flat before packaging, making transport easier and more economical.

ARCHYT



It is the curved panel designed to create insulated and micro-ventilated roofs on prefabricated structures with Y-beams.

COVERPAN



ONDULPAN



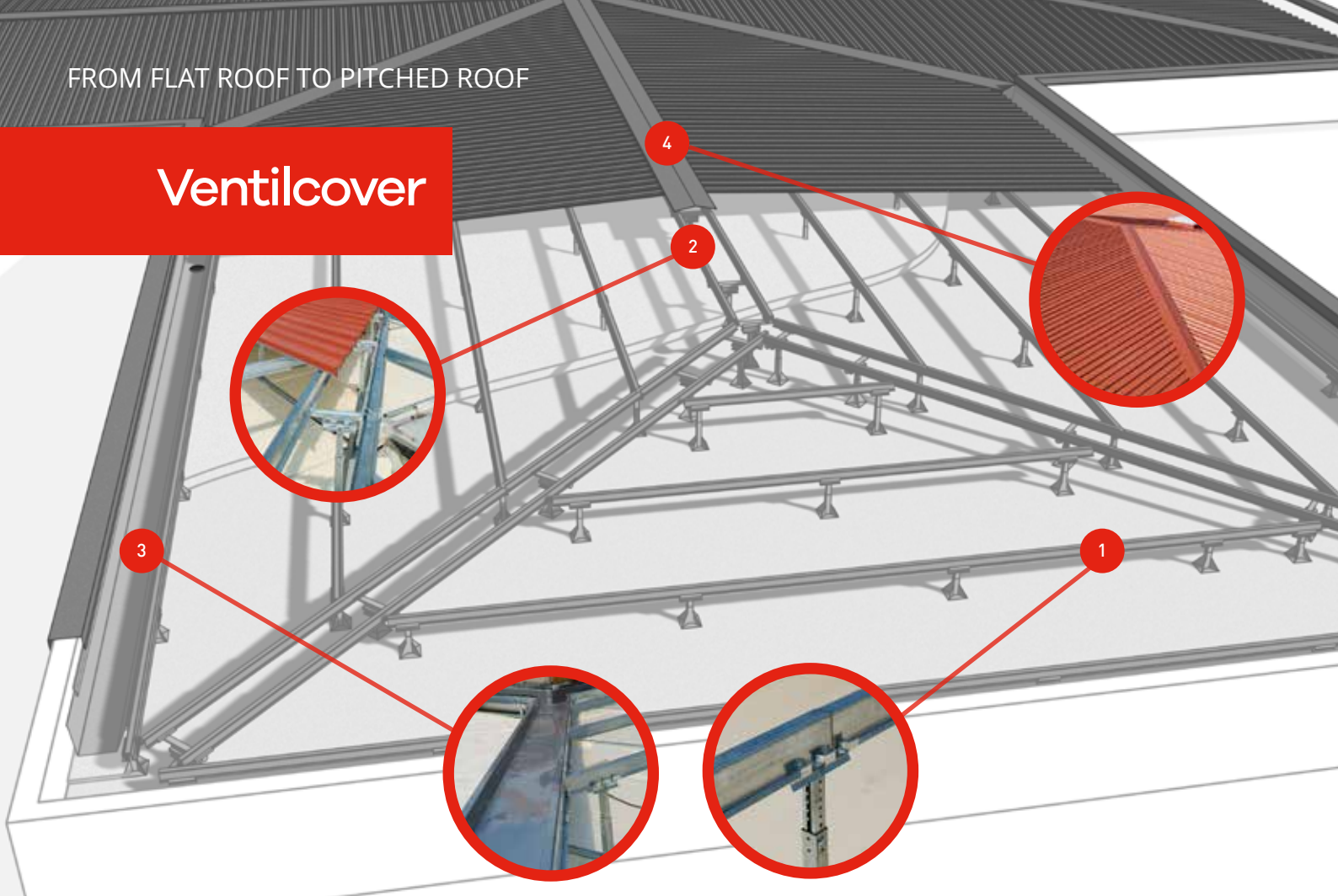
COVERTILEPAN



The full corrugations ensure excellent resistance and, in cold environments, high thermal insulation values. Three different profiles of the outer sheet - corrugated, sinusoidal, and tile-like - offer versatility and aesthetics.

FROM FLAT ROOF TO PITCHED ROOF

Ventilcover



FROM FLAT ROOF TO PITCHED ROOF

Ventilcover is an integrated and engineered system that, thanks to a series of prefabricated elements, enables the creation of pitched roofs on flat or low-slope slabs. Ventilcover consists of integrated components that make the system versatile and efficient. Edges, ridges, flashings, and connections are custom-designed and manufactured to the required shapes and sizes for each individual project.

1

TELESCOPIC SUPPORTS AND PURLINS

The support structure is EN 1090:1 certified, easy to install, robust, and versatile. Adjustable-height telescopic supports are anchored to the slab using expansion anchors or, when necessary, load-distributing profiles. The supporting purlins are made of omega profiles and are secured to the supports with a specialized system that allows free thermal expansion.

2

RIDGE BEAM AND INSULATION

The ventilation of the air gap in summer and the insulation that reduces heat loss in winter provide significant energy savings, increased comfort for the spaces below, and perfect hygrothermal control of the roof.

3

GUTTER SYSTEM

The perimeter gutter system is designed and developed to integrate with the first telescopic support. Connected to downspouts, it completes the functional scheme of the new roof and ensures efficient disposal of rainwater.

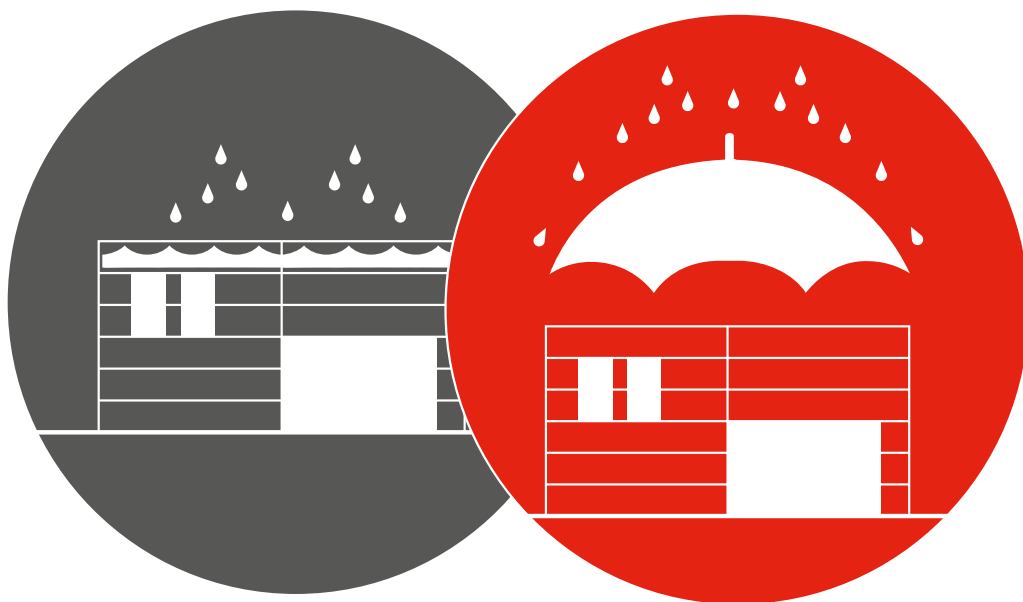
4

ROOFING ELEMENT

The Ventilcover system's roofing sheets are made using Ondulit's exclusive multilayer technology, offering high quality and performance. For specific roof configurations, the Smart-On sheet may also be used.

Ventilcover

THE SYSTEM THAT SOLVES THE CHALLENGES OF FLAT ROOFS



ensures watertightness by managing the drainage of rainwater



adapts to any roof shape and layering system



Ondulit multilayer technology guarantees durability



certified system compliant with EN 1090:1-2009+A1:2011



does not alter the architectural appearance of the building facade



increases the building's energy efficiency by transforming the flat roof into an insulated and ventilated roof.



lightweight system that does not significantly impact the load on the underlying structure.



on-site management is fast and clean, with no interference in the building's interior activities

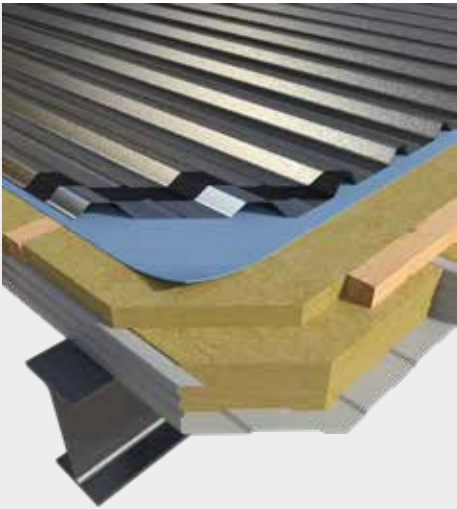
Cover Tray

Lightweight, versatile, sustainable, and certified, Cover Tray can be used for both roofing and walls. Its profile naturally serves as a structural container for thermal and acoustic insulation materials, as well as for housing systems.

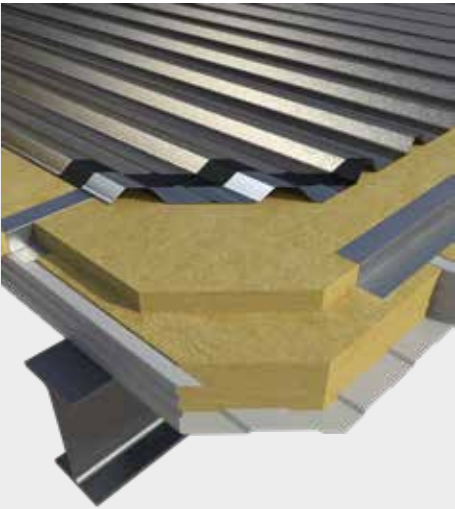
Made of pre-painted steel in various thicknesses and sizes, its high mechanical strength reduces the weight and dimensions of supporting structures. The modern mobile profiling unit simplifies logistics and installation, enabling the production of elements longer than transportable dimensions directly on-site.

APPLICATION SOLUTIONS: Cover Tray Plus Structural Systems

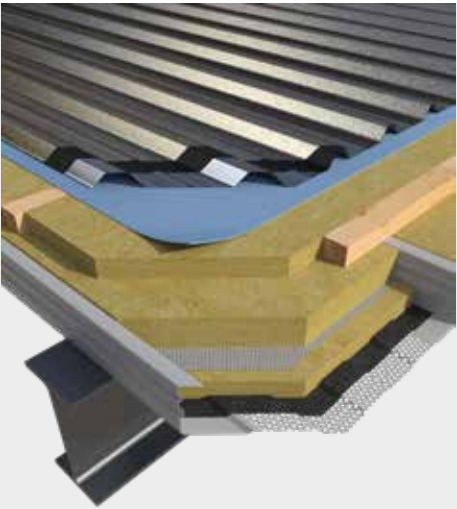
Cover Tray Plus
for thermal and acoustic insulation



Cover Tray Plus REI
for thermal and acoustic insulation and fire resistance



Cover Tray Plus FONO
for thermal and acoustic insulation and internal acoustic correction



CERTIFICATIONS

THERMAL TRANSMITTANCE
ACOUSTIC INSULATION



THERMAL TRANSMITTANCE
ACOUSTIC INSULATION
FIRE RESISTANCE



THERMAL TRANSMITTANCE
ACOUSTIC INSULATION
SOUND ABSORPTION

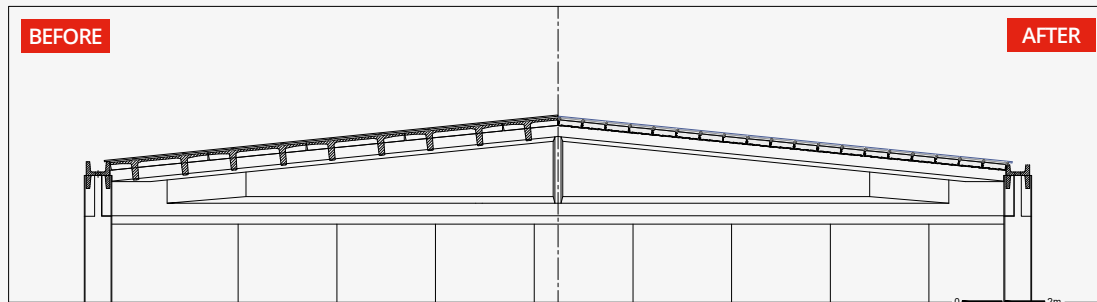


Cover Tray

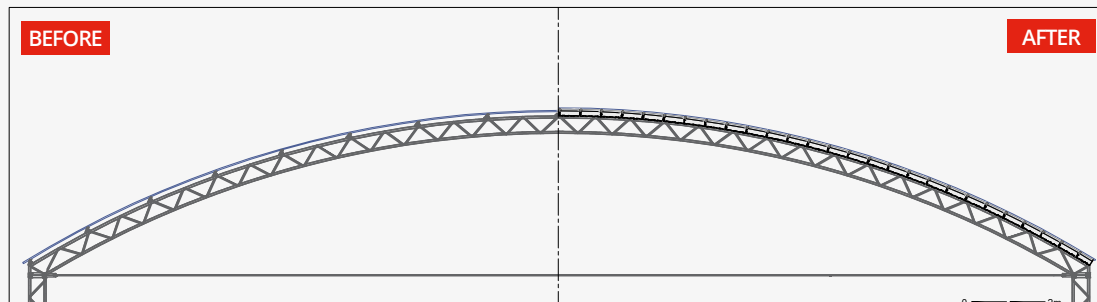
EXAMPLES OF APPLICATION SCHEMES

Cover Tray Plus

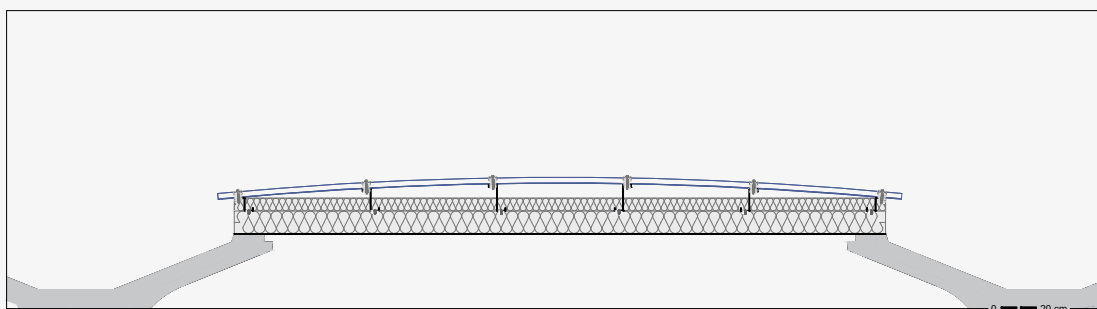
DOUBLE-PITCHED BEAMS IN P.R.C. AS A REPLACEMENT FOR SLABS



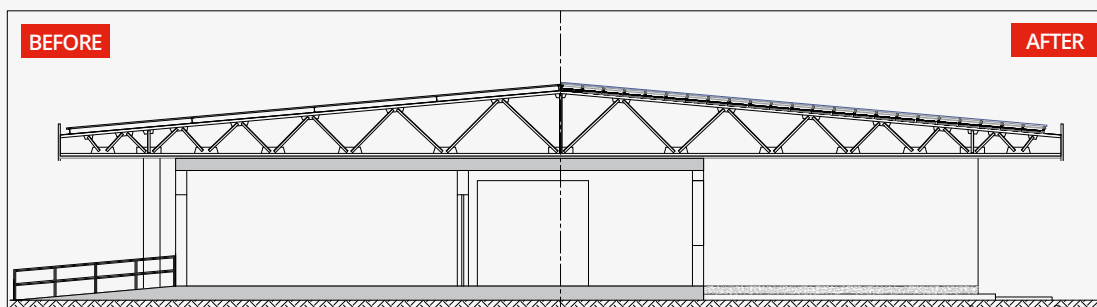
METALLIC CURVED STRUCTURE



WING BEAMS IN P.R.C.



METAL LATTICE STRUCTURE

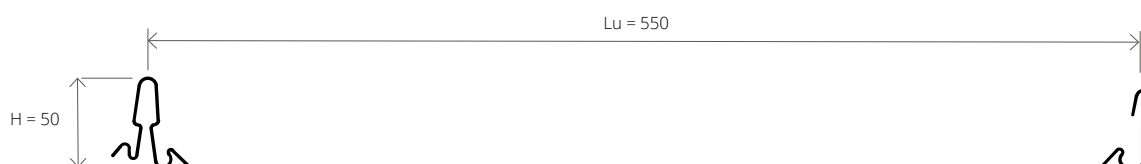


Smart - On

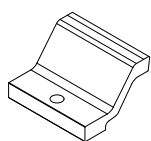
Smart-On is a high-quality roofing system. Its exclusive labyrinth drainage joint ensures watertightness, even at low slopes. It provides maximum wind resistance thanks to its unique interlocking system. The tall and sleek ribbing, with concealed fastening, delivers an elegant appearance similar to standing seam roofs.

All metal components are classified as A1 in fire reaction. The modern mobile profiling unit simplifies logistics and installation, allowing for the production of elements longer than transportable dimensions directly on-site.

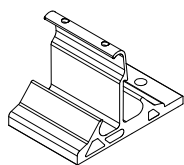
SECTION



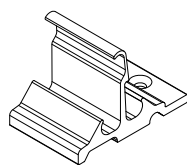
THE COMPONENTS OF THE SYSTEM



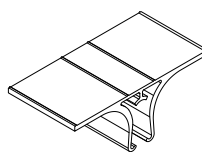
STARTING
ACCESSORY



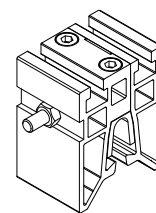
ALUMINUM FIXING
BRACKET



POLYAMIDE FIXING
BRACKET



CLIP



CLAMP

CERTIFICATIONS

FOOT TRAFFIC
RESISTANCE



WIND UPLIFT
RESISTANCE



WATER TIGHTNESS
RESISTANCE



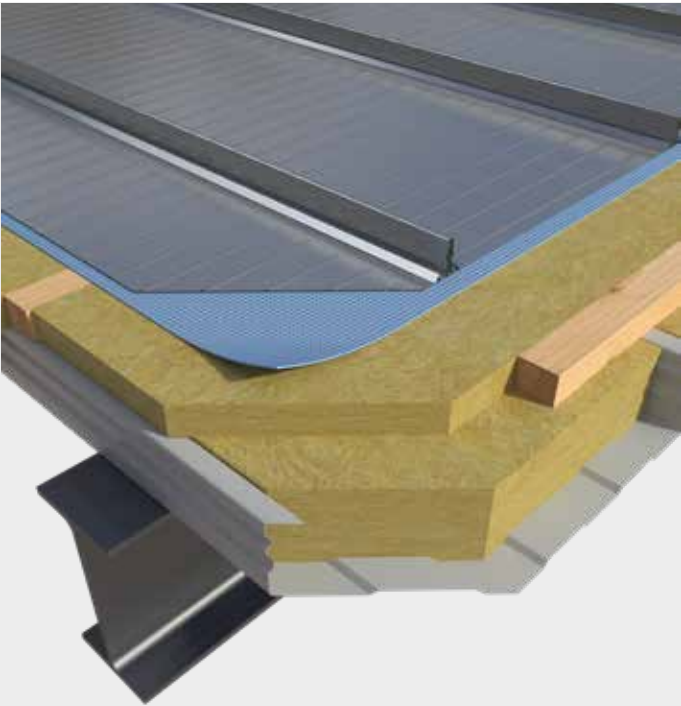
FIRE
RESISTANCE



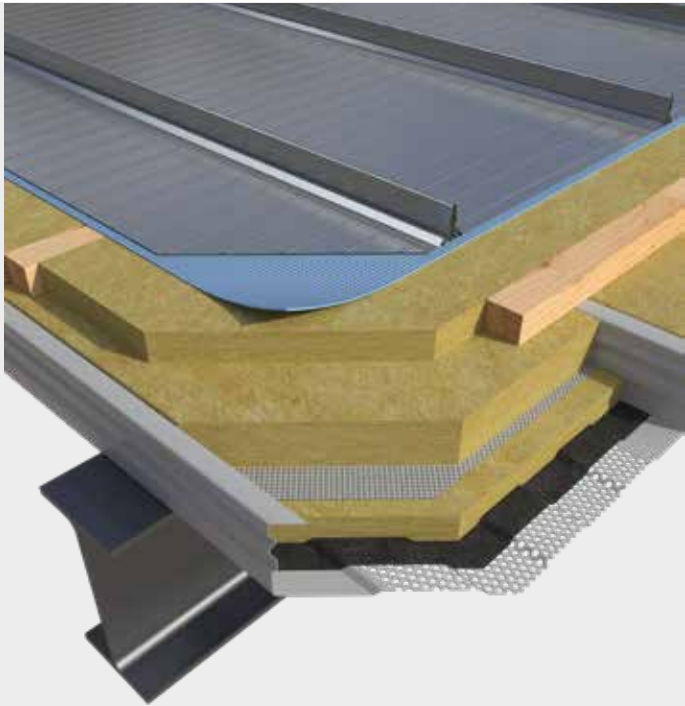
Smart - On

COMPONENT OF A CERTIFIED AND VERSATILE CONSTRUCTION SYSTEM

Cover Tray Plus
for thermal and acoustic insulation



Cover Tray Plus FONO
for thermal and acoustic insulation and internal acoustic correction



CERTIFICATIONS

THERMAL
TRANSMITTANCE



ACOUSTIC
INSULATION



THERMAL
TRANSMITTANCE



ACOUSTIC
INSULATION



SOUND
ABSORPTION



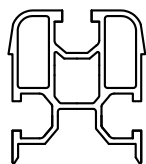
EasyFix

The installation of rigid photovoltaic modules on a roof requires a support and attachment system that ensures not only optimal mechanical resistance, especially against wind force, but also maximum safety for the waterproofing of the surface. It is essential to avoid perforations that could compromise the seal and hinder the proper drainage for water disposal.

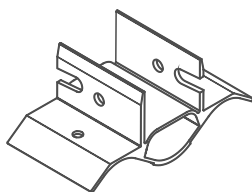
Easyfix is the certified and patented system by Ondulit, designed to address all the critical issues related to the fastening of photovoltaic modules on metal roofs.

Thanks to its innovative technology, Easyfix offers numerous advantages, ensuring the durability and efficiency of the system over time.

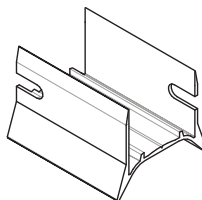
COMPONENTS OF THE SYSTEM



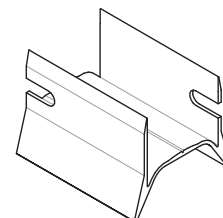
ALUMINUM PROFILE



ONDULIT
FIXING BRACKET

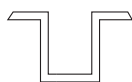


COVERIB 850
FIXING BRACKET

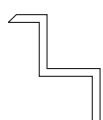


COVERIB 1000
FIXING BRACKET

PV PANEL FIXING BRACKETS



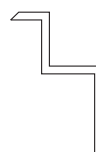
INTERMEDIATE
BRACKET



FINAL BRACKET
35 mm



FINAL BRACKET
40 mm

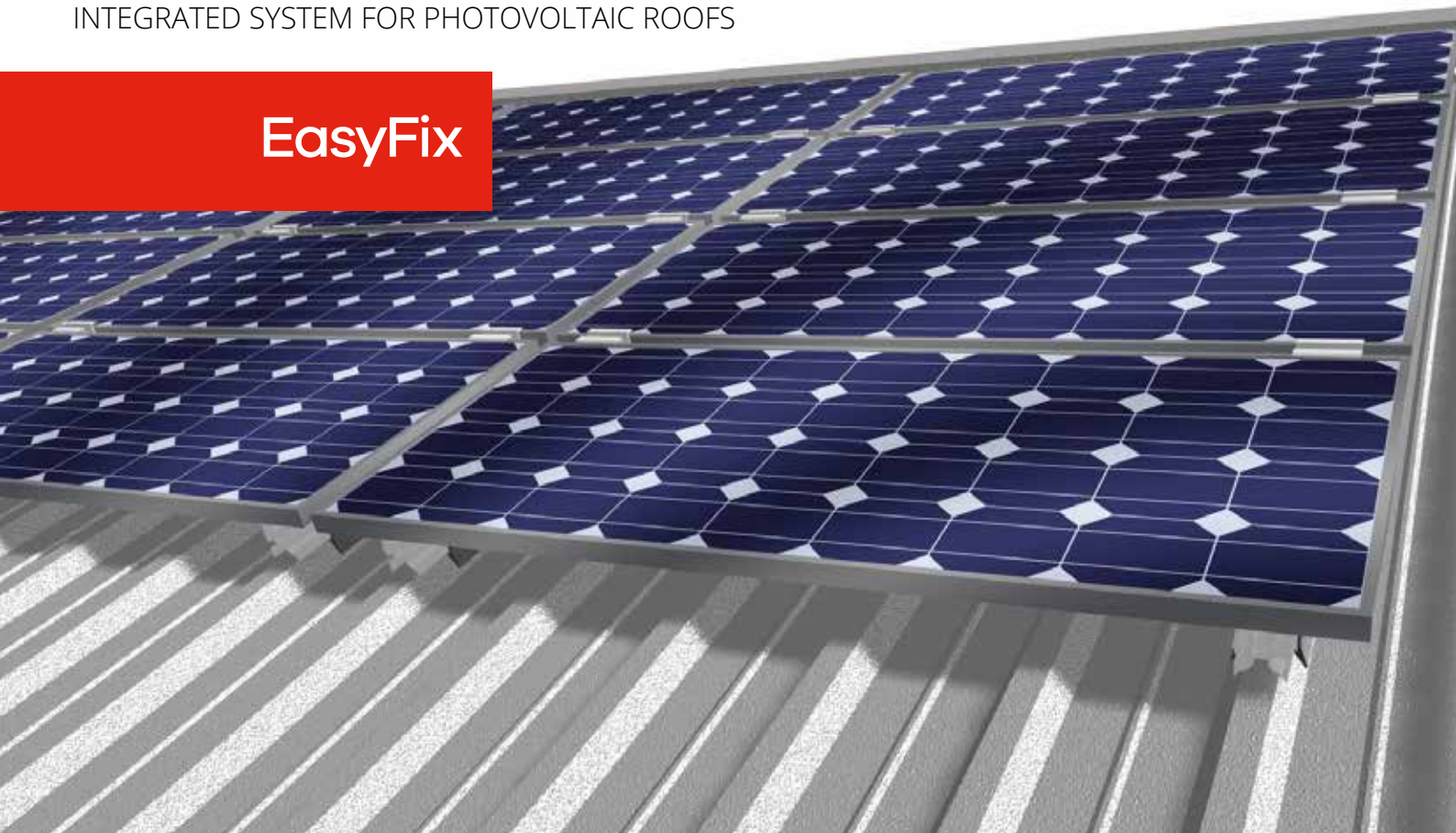


FINAL BRACKET
46 mm



FINAL BRACKET
50 mm

EasyFix



FEATURES AND ADVANTAGES



FIXING

Ensures the proper anchoring of the modules, making them structurally integral with the roof.



MODULE VENTILATION

The unobstructed gap between the roof and modules promotes ventilation, improving the system's performance



NO ADDITIONAL HOLES

Does not require additional holes other than those necessary for roof installation.



NO RISK OF INFILTRATIONS

Does not hinder water flow and directs it to collection and disposal points.



INTEGRATION

Promotes architectural integration.



INSTALLATION SAFETY

Does not require the pv installer to intervene on roof components.

THE IDEAL ROOFING SOLUTION

Residential and Hospitality



THE IDEAL ROOFING SOLUTION

Residential and Hospitality



THE IDEAL ROOFING SOLUTION

Schools and Sports Facilities



THE IDEAL ROOFING SOLUTION

Schools and Sports Facilities



THE IDEAL ROOFING SOLUTION

Infrastructure



THE IDEAL ROOFING SOLUTION

Infrastructure



THE IDEAL ROOFING SOLUTION

Industry and Logistics



THE IDEAL ROOFING SOLUTION

Industry and Logistics



THE IDEAL ROOFING SOLUTION

Agricultural and Wine Industries

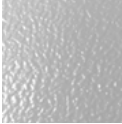
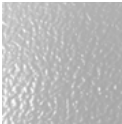
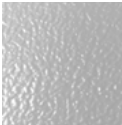


THE IDEAL ROOFING SOLUTION

Agricultural and Wine Industries



Steel sheets and panels with multilayer protection

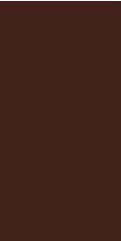
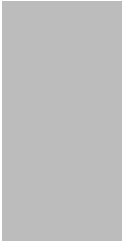
FINISHES	EMBOSSED ALUMINIUM							C-ELECTROLYTIC COPPER
COLORS SRI > 30%	N - NATURAL	W - RAL 9002	GR - RAL 7023	VM - 378c	T - RAL 8004	R - RAL 8016	D - RAL 7012	
ONDULIT / COVERIB ⁸⁵⁰								
COVERTILE / ONDULPAN COVERTILEPAN								
COVERIB ¹⁰⁰⁰ COVERPIÙ / COVERPAN								

Steel sheets with multilayer protection can feature a top finish in Natural Copper or Embossed Hundredth-Grade Aluminum, either natural or pre-painted.

All pre-painted aluminum versions have an SRI >30%, certified according to ASTM E1980-11.

Exposure to atmospheric agents leads to the formation of an oxide patina, whose chromatic variations are the appreciated aesthetic feature of this finish.

Smart-On

FINISHES	ALUMINIUM 5754				AM - MAGNELIS STEEL
COLORS	N - NATURAL	W - RAL 9002	GA - RAL 7016	TM - RAL 8017	
					

Magnelis® is a rolled steel coated on both sides with a zinc-aluminum-magnesium alloy. Magnelis® has a uniform metallic appearance, which can range from slightly matte to bright. Depending on exposure to atmospheric phenomena and external agents, surface appearance variations and a tendency to darken over time may occur.

The information contained in this document—while the result of extensive experience, knowledge, and practical as well as laboratory tests—should be regarded solely as guidance. Consequently, Ondulit Italiana S.p.A. assumes no liability. The company reserves the right to make changes or technical improvements to its products at any time and without prior notice.

**Your comfort,
our roof.**



ondulit.it

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